

Converting Colors

XYZ(70.8767, 78.8556, 95.7708)

Have a look what the booklet for
XYZ(70.8767, 78.8556, 95.7708)
contains.

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Color

**XYZ(70.6372, 78.6648,
95.4653)**

Conversions

Conversions Part 1	
Format	Color
Hex	CCEBF2
RGB	204, 235, 242
RGB Percent	80%, 92%, 95%
CMY	0.2000, 0.0784, 0.0510
CMYK	0.16, 0.03, 0.00, 0.05
HSL	191°, 59%, 87%
HSV	191°, 16%, 95%
XYZ	70.6372, 78.6648, 95.4653
YIQ	226.5290, -20.7230, -4.3950

Conversions

Conversions Part 2

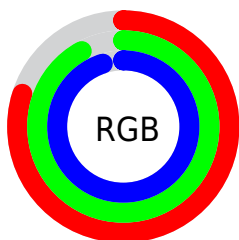
Format	Color
RYB	204, 221, 242
Decimal	13429746
CIELab	91.08, -8.66, -6.80
CIELCh	91, 11.011, 218.119
Yxy	78.6648, 0.2886, 0.3214
Android (android.graphics.Color)	4291619826 (0xFFCCEBF2)
YUV	226.5290, 7.6272, -19.7579
Hunter-Lab	88.6932, -13.0517, -1.7318

Details

The XYZ color **70.6372, 78.6648, 95.4653** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.8120, 69.8255, 66.8738**, and the grayscale version is **72.6308, 76.4132, 83.2140**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3775, 42.1749, 52.6249** is the 20% darker color. If you saturate the color by 10%, you get **63.2535, 72.9901, 94.7604**, and if you desaturate by 10%, it is **79.0881, 84.9412, 96.2326**.

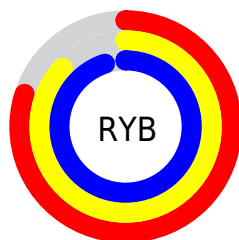
Distribution



Red (80%)

Green (92%)

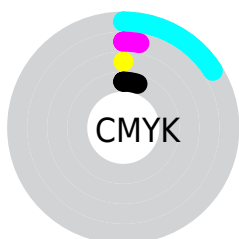
Blue (95%)



Red (80%)

Yellow (87%)

Blue (95%)

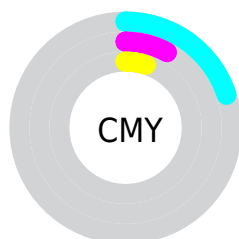


Cyan (16%)

Magenta (3%)

Yellow (0%)

Black (5%)



Cyan (20%)

Magenta (8%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.6372, 78.6648, 95.4653 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 70.6372, 78.6648, 95.4653 by changing the saturation by 10% instead.


 70.6372, 78.6648,
95.4653

 70.6372, 78.6648,
95.4653


452.0158,
490.4216, 566.6759

 52.3276, 58.6203,
71.9233


119.1383,
131.4869, 156.9084

 37.4916, 42.3075,
52.6096


150.0606,
165.0332, 195.6465

 25.7638, 29.3421,
37.1056


185.9178,
203.8488, 240.2871

 16.7788, 19.3398,
24.9928

227.0754,
248.3183, 291.2487

 10.1712, 11.9161,
15.8527

273.8986,
298.8259, 348.9498

 5.5758, 6.6865,
9.2668


326.7528,


 2.6271, 3.2669,


355.7561, 413.8091


4.8164


386.0034,
419.4932, 486.2449


 0.9598, 1.2726,
2.0831


 0.0000, 0.1198,
0.6057


 70.6372, 78.6648,
95.4653


 70.6372, 78.6648,
95.4653


 63.2535, 72.9901,
94.7604


 79.0881, 84.9412,
96.2326

 56.8823, 67.8824,
94.1103

 88.6439, 91.8330,
97.0592

 51.4746, 63.3182,
93.5143

 90.9494, 95.0352,
97.5558

 46.9745, 59.2682,
92.9698

 92.3385, 97.8134,
98.0188

■ 43.3198, 55.7002,
92.4737

■ 93.0273, 99.1909,
98.2484

■ 40.4406, 52.5776,
92.0228

■ 38.2554, 49.8581,
91.6130

■ 36.6631, 47.4893,
91.2397

■ 36.0940, 46.5443,
91.0873

Harmonies

Analogous

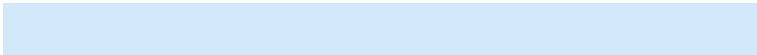
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.5952, 78.6648, 87.8353



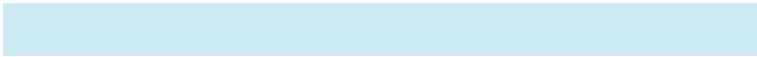
70.6372, 78.6648, 95.4653



72.7920, 78.6648, 100.6752

Triad

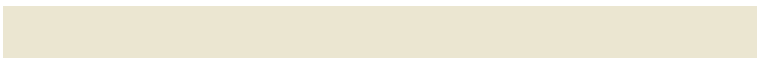
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.6372, 78.6648, 95.4653



79.8449, 78.6648, 91.4918



74.0153, 78.6648, 71.3593

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



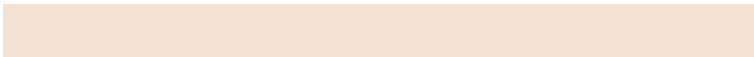
70.6372, 78.6648, 95.4653



70.8120, 69.8255, 66.8738

Split Complementary

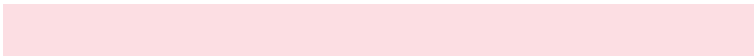
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.7805, 78.6648, 72.2041



70.6372, 78.6648, 95.4653



80.1921, 78.6648, 83.5064

Square

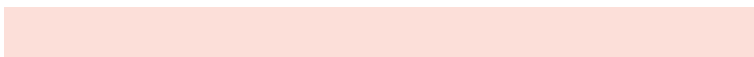
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



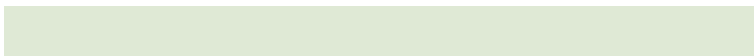
70.6372, 78.6648, 95.4653



78.1206, 78.6648, 98.2838



79.0579, 78.6648, 76.5365



71.5137, 78.6648, 74.1528

Rectangle

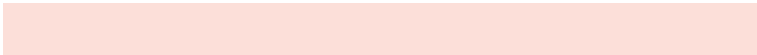
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



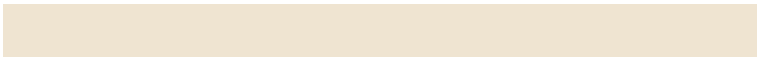
70.6372, 78.6648, 95.4653



74.5930, 78.6648, 101.9006



79.0579, 78.6648, 76.5365



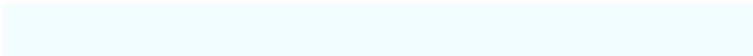
74.9443, 78.6648, 71.2306

Sweetspot

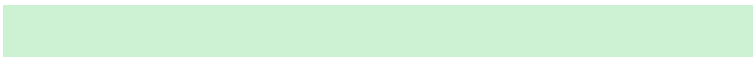
The Sweet Spot groups the original color and five complimentary colors.



70.6395, 78.6681, 95.4671



89.7694, 96.1728, 108.4396



68.4091, 81.0446, 73.6453



19.0609, 20.4728, 23.1970



0.0000, 0.0000, 0.0000



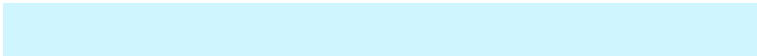
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.6395, 78.6681, 95.4671



76.6363, 86.3802, 107.2416



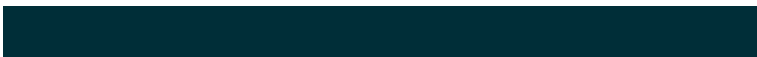
65.4948, 68.3786, 93.7522



15.9855, 17.4051, 20.2386



19.4833, 25.1908, 48.9633



1.6843, 2.2226, 4.0944

Inverse Universe

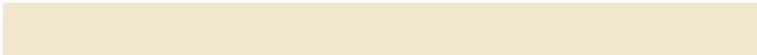
The Inverse Universe completely reimagines the original color for something new.



73.2081, 68.0629, 87.8799



80.0906, 72.3266, 96.9914



75.8060, 79.8134, 68.5384



16.3221, 15.9786, 19.2525



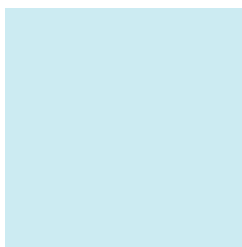
25.1599, 12.3364, 29.8222



2.1251, 1.0391, 2.6496

Previews

White Background



This preview shows how the XYZ color 70.6372, 78.6648, 95.4653 looks on a white background.

Color Contrast Check

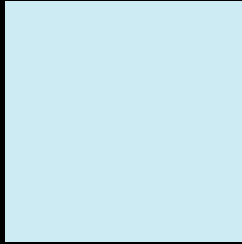
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 70.6372, 78.6648, 95.4653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

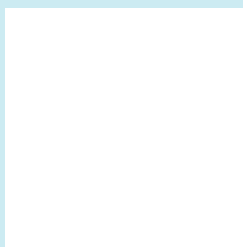
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.6372, 78.6648, 95.4653

Background



This preview shows how black text looks on a background with the XYZ color 70.6372, 78.6648, 95.4653.

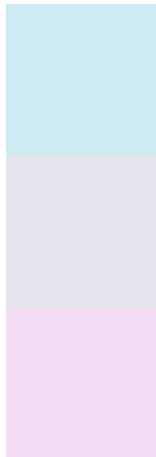


This preview shows how white text looks on a background with the XYZ color 70.6372, 78.6648,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

70.6372, 78.6648, 95.4653

Protanopia

76.1310, 78.6488, 92.0571

Deuteranopia

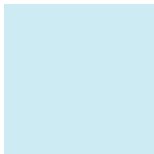
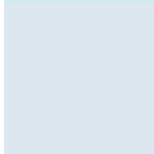
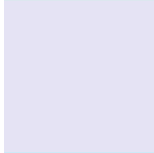
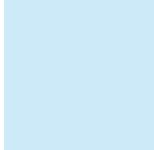
79.9109, 78.0682, 97.2431



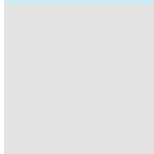
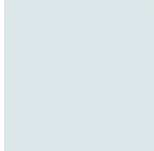
Tritanopia

72.1632, 78.4279, 103.4302

Trichromacy

	Original Color 70.6372, 78.6648, 95.4653
	Protanomaly 73.9747, 78.7560, 92.9639
	Deuteranomaly 76.1113, 78.1278, 96.6566
	Tritanomaly 71.5429, 78.6021, 100.2079

Monochromacy

	Original Color 70.6372, 78.6648, 95.4653
	Achromatopsia 73.0128, 76.8151, 83.6517
	Achromatomaly 72.0757, 77.4799, 87.5002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6372, 78.6648, 95.4653 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(204, 235, 242) looks like.

```
.text, #text, p{  
    color:rgb(204, 235, 242)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(204, 235, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 235, 242) }
```

Border

The CSS property to change the border of an element to XYZ 70.6372, 78.6648, 95.4653 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(204, 235, 242) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(204, 235, 242) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(204, 235, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 235, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 235, 242);  
box-shadow:4px 4px 4px 4px rgb(204, 235,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6372, 78.6648, 95.4653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 235, 242) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(204,  
235, 242) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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