

Converting Colors

XYZ(70.8724, 78.4833, 96.9852)

Have a look what the booklet for
XYZ(70.8724, 78.4833, 96.9852)
contains.

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Color

**XYZ(70.6538, 78.2147,
96.9610)**

Conversions

Conversions Part 1

Format	Color
Hex	CCEAF4
RGB	204, 234, 244
RGB Percent	80%, 92%, 96%
CMY	0.2000, 0.0823, 0.0431
CMYK	0.16, 0.04, 0.00, 0.04
HSL	195°, 65%, 88%
HSV	195°, 16%, 96%
XYZ	70.6538, 78.2147, 96.9610
YIQ	226.1700, -21.0900, -3.2500

Conversions

Conversions Part 2

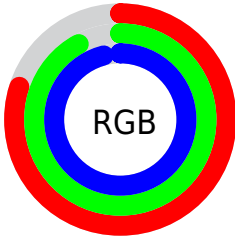
Format	Color
R_{YB}	204, 221, 244
Decimal	13429492
CIE _{Lab}	90.88, -7.75, -8.14
CIE _{LCh}	91, 11.239, 226.439
Y _{xy}	78.2147, 0.2874, 0.3182
Android (android.graphics.Color)	4291619572 (0xFFCCEAF4)
YUV	226.1700, 8.7902, -19.4431
Hunter-Lab	88.4391, -12.1651, -3.0958

Details

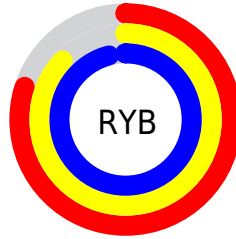
The XYZ color **70.6538, 78.2147, 96.9610** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.2544, 71.6857, 67.1567**, and the grayscale version is **72.3629, 76.1314, 82.9071**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3919, 41.8612, 53.6862** is the 20% darker color. If you saturate the color by 10%, you get **62.7771, 71.6230, 96.1051**, and if you desaturate by 10%, it is **79.6426, 85.4725, 97.8894**.

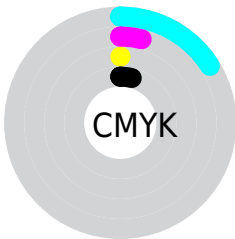
Distribution



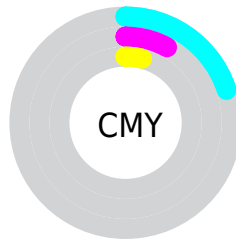
- Red (80%)
- Green (92%)
- Blue (96%)



- Red (80%)
- Yellow (87%)
- Blue (96%)



- Cyan (16%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)



- Cyan (20%)
- Magenta (8%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6538, 78.2147, 96.9610 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 70.6538, 78.2147, 96.9610 by changing the saturation by 10% instead.

■ 70.6538, 78.2147,
96.9610

■ 70.6538, 78.2147,
96.9610

452.0730,
488.8957, 571.5680

■ 52.3412, 58.2504,
73.1623

119.1618,
130.8527, 158.9898

■ 37.5025, 42.0100,
53.6161

150.0880,
164.2952, 198.0571

■ 25.7723, 29.1091,
37.9037

185.9495,
202.9992, 243.0509

■ 16.7851, 19.1634,
25.6067

227.1115,
247.3491, 294.3899

■ 10.1758, 11.7884,
16.3065

273.9396,
297.7293, 352.4925

■ 5.5788, 6.5997,
9.5846

326.7989,

■ 2.6289, 3.2131,

354.5242, 417.7774

5.0224

386.0549,
418.1182, 490.6630

0.9607, 1.2440,
2.2015

0.0000, 0.0972,
0.6752

70.6538, 78.2147,
96.9610

70.6538, 78.2147,
96.9610

62.7771, 71.6230,
96.1051

79.6426, 85.4725,
97.8894

55.9563, 65.6614,
95.3139

89.7825, 93.4113,
98.8873

50.1406, 60.3049,
94.5865

92.4738, 97.6006,
99.5541

45.2722, 55.5228,
93.9200

93.3294, 99.3117,
99.8393

■ 41.2869, 51.2811,
93.3113

■ 38.1122, 47.5414,
92.7568

■ 35.6634, 44.2591,
92.2524

■ 33.8347, 41.3788,
91.7928

■ 33.2672, 40.4074,
91.6352

Harmonies

Analogous

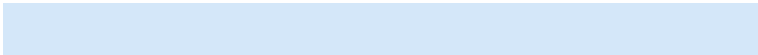
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.2432, 78.2147, 89.6490



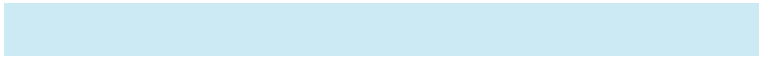
70.6538, 78.2147, 96.9610



73.0722, 78.2147, 101.2270

Triad

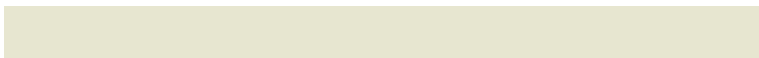
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.6538, 78.2147, 96.9610



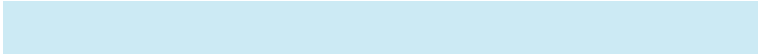
79.7566, 78.2147, 88.8689



72.8115, 78.2147, 71.0739

Complementary

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



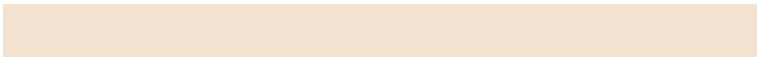
70.6538, 78.2147, 96.9610



72.2544, 71.6857, 67.1567

Split Complementary

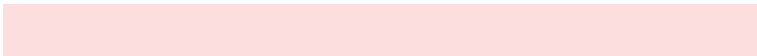
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.6239, 78.2147, 70.8944



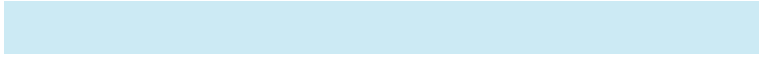
70.6538, 78.2147, 96.9610



79.6825, 78.2147, 80.8283

Square

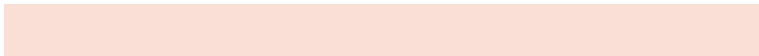
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



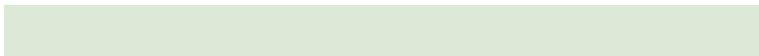
70.6538, 78.2147, 96.9610



78.3537, 78.2147, 96.3588



78.1537, 78.2147, 74.3622



70.4672, 78.2147, 74.8689

Rectangle

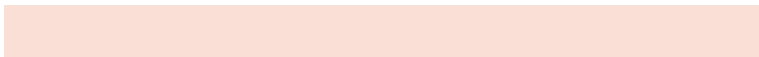
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



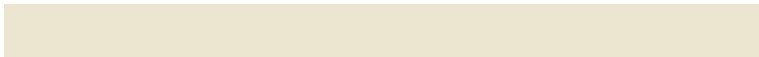
70.6538, 78.2147, 96.9610



74.9526, 78.2147, 101.6046



78.1537, 78.2147, 74.3622



73.7322, 78.2147, 70.5974

Sweetspot

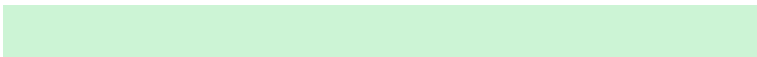
The Sweet Spot groups the original color and five complimentary colors.



70.6561, 78.2179, 96.9628



89.5057, 95.6453, 108.3517



69.3065, 82.3611, 75.4187



18.9967, 20.3443, 23.1756



0.0000, 0.0000, 0.0000



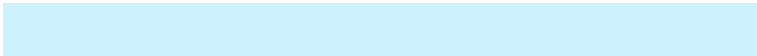
20.3446, 21.4041, 23.3091

Same Dimension

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



70.6561, 78.2179, 96.9628



74.7797, 83.7130, 106.8247



65.4480, 67.8018, 95.2267



16.6255, 18.0153, 21.1436



18.2027, 22.1991, 49.8635



1.6808, 2.1129, 4.4095

Inverse Universe

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



73.7542, 68.3610, 87.1534



78.8981, 70.8718, 93.7259



77.4420, 82.0608, 68.8859



17.0263, 16.6934, 19.8851



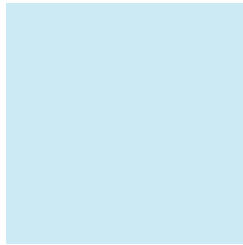
24.9924, 12.3404, 25.7319



2.2374, 1.1009, 2.4767

Previews

White Background



This preview shows how the XYZ color 70.6538, 78.2147, 96.9610 looks on a white background.

Color Contrast Check

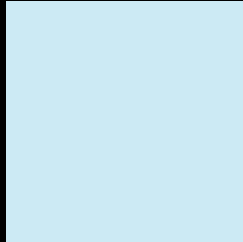
Large Text (above 18pt) WCAG AA × Fail

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 70.6538, 78.2147, 96.9610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

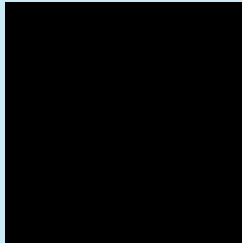
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.6538, 78.2147, 96.9610

Background



This preview shows how black text looks on a background with the XYZ color 70.6538, 78.2147, 96.9610.

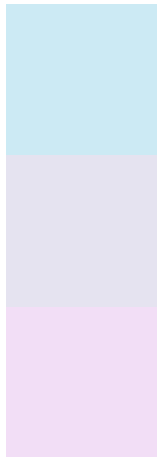


This preview shows how white text looks on a background with the XYZ color 70.6538, 78.2147,

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

70.6538, 78.2147, 96.9610

Protanopia

75.5104, 77.8875, 93.4920

Deuteranopia

79.3738, 77.7736, 98.0171



Tritanopia

71.7283, 78.2220, 102.5847

Trichromacy



Original Color

70.6538, 78.2147, 96.9610

Protanomaly

73.6892, 78.1601, 94.4217

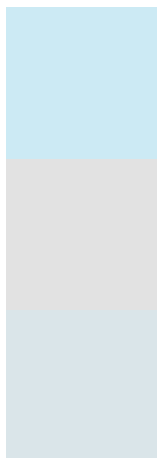
Deuteranomaly

75.6727, 77.4793, 97.3528

Tritanomaly

71.2590, 78.0343, 100.1133

Monochromacy



Original Color

70.6538, 78.2147, 96.9610

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.6407, 76.8272, 88.1441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6538, 78.2147, 96.9610 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, 234, 244)` looks like.

```
.text, #text, p{  
    color:rgb(204, 234, 244)  
}
```

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, 234, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 234, 244) }
```

Border

The CSS property to change the border of an element to XYZ 70.6538, 78.2147, 96.9610 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, 234, 244) }
```


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

```
.border{ border-color:rgb(204, 234, 244) }
```

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

Here you see how a box with a 4 pixel rgb(204, 234, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 234, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 234, 244);  
box-shadow:4px 4px 4px 4px rgb(204, 234,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6538, 78.2147, 96.9610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 234, 244) }
```

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

```
.background{ background-color: rgb(204,  
234, 244) }
```

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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