

Converting Colors

XYZ(70.7903, 73.5843, 94.9733)

Have a look what the booklet for
XYZ(70.7903, 73.5843, 94.9733)
contains.

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Color

**XYZ(70.6178, 73.3125,
95.2228)**

Conversions

Conversions Part 1

Format	Color
Hex	D8DEF3
RGB	216, 222, 243
RGB Percent	85%, 87%, 95%
CMY	0.1529, 0.1294, 0.0471
CMYK	0.11, 0.09, 0.00, 0.05
HSL	227°, 53%, 90%
HSV	227°, 11%, 95%
XYZ	70.6178, 73.3125, 95.2228
YIQ	222.6000, -10.3170, 5.2590

Conversions

Conversions Part 2

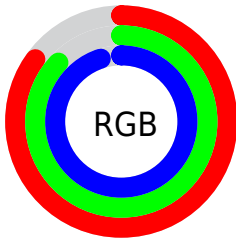
Format	Color
R _Y B	216, 221, 243
Decimal	14212851
CIE Lab	88.60, 2.01, -10.92
CIE LCh	89, 11.104, 280.432
Yxy	73.3125, 0.2953, 0.3066
Android (android.graphics.Color)	4292402931 (0xFFD8DEF3)
YUV	222.6000, 10.0572, -5.7882
Hunter-Lab	85.6227, -2.6209, -6.0017

Details

The XYZ color **70.6178, 73.3125, 95.2228** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.6413, 84.5804, 77.0952**, and the grayscale version is **69.7935, 73.4282, 79.9633**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4863, 38.8024, 52.5276** is the 20% darker color. If you saturate the color by 10%, you get **59.2220, 60.4014, 93.3325**, and if you desaturate by 10%, it is **83.6421, 87.9021, 97.3536**.

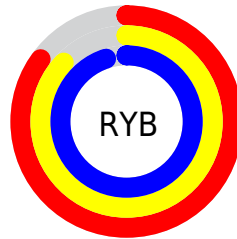
Distribution



Red (85%)

Green (87%)

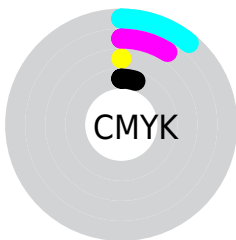
Blue (95%)



Red (85%)

Yellow (87%)

Blue (95%)

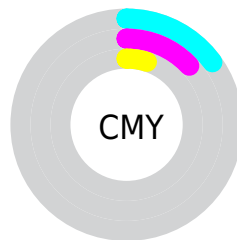


Cyan (11%)

Magenta (9%)

Yellow (0%)

Black (5%)



Cyan (15%)

Magenta (13%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6178, 73.3125, 95.2228 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 70.6178, 73.3125, 95.2228 by changing the saturation by 10% instead.

■ 70.6178, 73.3125,
95.2228

■ 70.6178, 73.3125,
95.2228

451.9489,
472.0972, 565.8806

■ 52.3118, 54.2315,
71.7225

119.1108,
123.9207, 156.5706

■ 37.4789, 38.7868,
52.4466

150.0285,
156.2168, 195.2552

■ 25.7539, 26.5939,
36.9765

185.8809,
193.6867, 239.8383

■ 16.7713, 17.2685,
24.8936

227.0331,
236.7148, 290.7385

■ 10.1659, 10.4261,
15.7795

273.8507,
285.6855, 348.3743

■ 5.5722, 5.6824,
9.2156

326.6990,

■ 2.6249, 2.6529,

340.9832, 413.1642

4.7834

385.9432,
402.9923, 485.5267

■ 0.9587, 0.9533,
2.0642

■ 0.0000, 0.0000,
0.5943

■ 70.6178, 73.3125,
95.2228

■ 70.6178, 73.3125,
95.2228

■ 59.2220, 60.4014,
93.3325

■ 83.6421, 87.9021,
97.3536

■ 49.3834, 49.0988,
91.6694

■ 93.1779, 99.2512,
99.0416

■ 41.0348, 39.3431,
90.2264

■ 34.1015, 31.0652,
88.9940

■ 28.5020, 24.1903,
87.9622

■ 24.1465, 18.6373,
87.1199

■ 20.9330, 14.3154,
86.4550

■ 18.7422, 11.1216,
85.9540

■ 17.4983, 9.1121,
85.6317

Harmonies

Analogous

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



67.9711, 73.3125, 94.5407



70.6178, 73.3125, 95.2228



73.0742, 73.3125, 91.5832

Triad

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



70.6178, 73.3125, 95.2228



73.6744, 73.3125, 70.6383



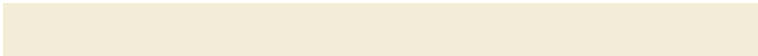
64.9416, 73.3125, 74.9873

Complementary

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



70.6178, 73.3125, 95.2228



79.6413, 84.5804, 77.0952

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.



66.3951, 73.3125, 69.1186



70.6178, 73.3125, 95.2228



71.4200, 73.3125, 66.7212

Square

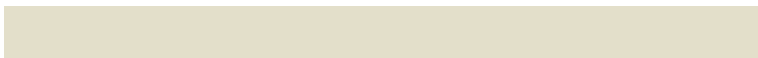
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.6178, 73.3125, 95.2228



74.8687, 73.3125, 77.1845



68.7532, 73.3125, 66.1833



64.7393, 73.3125, 82.5248

Rectangle

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



70.6178, 73.3125, 95.2228



74.2562, 73.3125, 87.3245



68.7532, 73.3125, 66.1833



65.2983, 73.3125, 72.7674

Sweetspot

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



70.6200, 73.3156, 95.2244



90.4227, 94.8407, 108.1480



75.6130, 84.7983, 92.2748



19.0956, 20.0110, 23.1060



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.



70.6200, 73.3156, 95.2244



76.2086, 78.8866, 105.8178



71.2279, 71.3040, 94.8041



15.8799, 16.5242, 20.8951



9.6853, 5.1644, 47.0244



0.9248, 0.6010, 4.1575

Inverse Universe

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



74.7045, 73.4419, 79.3491



81.4951, 79.0924, 85.2613



78.9722, 86.8590, 77.5703



16.6500, 16.5428, 17.9033



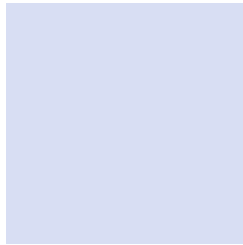
20.6932, 10.6207, 3.0928



1.8559, 0.9483, 0.4673

Previews

White Background



This preview shows how the XYZ color 70.6178, 73.3125, 95.2228 looks on a white background.

Color Contrast Check

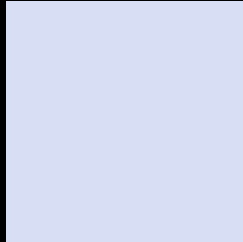
Large Text (above 18pt) WCAG AA × Fail

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 70.6178, 73.3125, 95.2228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

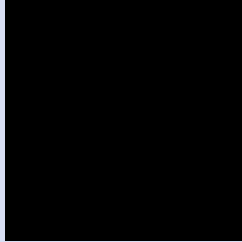
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.6178, 73.3125, 95.2228

Background



This preview shows how black text looks on a background with the XYZ color 70.6178, 73.3125, 95.2228.



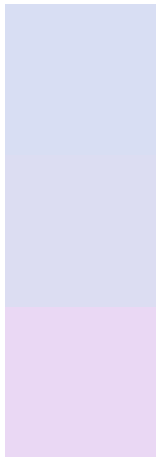
This preview shows how white text looks on a background with the XYZ color 70.6178, 73.3125,

95.2228.

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

70.6178, 73.3125, 95.2228

Protanopia

71.3987, 73.3394, 94.3972

Deuteranopia

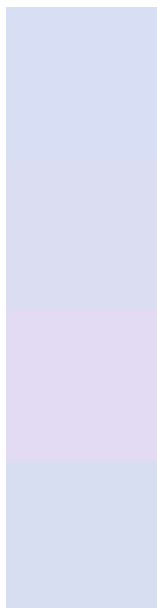
74.8167, 73.1358, 95.7613



Tritanopia

70.1684, 73.1328, 92.8558

Trichromacy



Original Color

70.6178, 73.3125, 95.2228

Protanomaly

71.0969, 73.1838, 94.3831

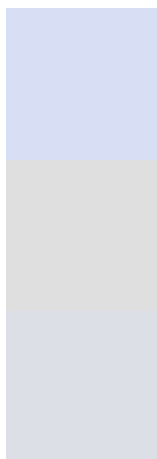
Deuteranomaly

73.0791, 73.0054, 95.8277

Tritanomaly

70.3174, 73.1924, 93.6405

Monochromacy



Original Color

70.6178, 73.3125, 95.2228

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

70.1858, 73.7042, 85.3900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6178, 73.3125, 95.2228 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(216, 222, 243) looks like.

```
.text, #text, p{  
    color:rgb(216, 222, 243)  
}
```

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(216, 222, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 222, 243) }
```

Border

The CSS property to change the border of an element to XYZ 70.6178, 73.3125, 95.2228 is called "border". The border property can be set on classes, ids or directly on the HTML element.

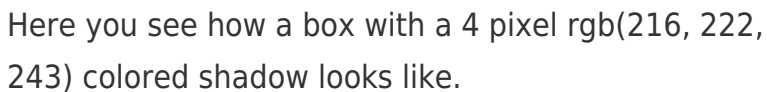
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 222, 243) }
```


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

```
.border{ border-color:rgb(216, 222, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 222, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 222, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 222, 243);  
box-shadow:4px 4px 4px 4px rgb(216, 222,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6178, 73.3125, 95.2228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 222, 243) }
```

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

```
.background{ background-color: rgb(216,  
222, 243) }
```

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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