

Converting Colors

XYZ(71.6447, 76.0414, 98.5385)

Have a look what the booklet for
XYZ(71.6447, 76.0414, 98.5385)
contains.

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Color

**XYZ(71.6833, 76.1993,
98.9255)**

Conversions

Conversions Part 1

Format	Color
Hex	D4E4F7
RGB	212, 228, 247
RGB Percent	83%, 89%, 97%
CMY	0.1686, 0.1059, 0.0314
CMYK	0.14, 0.08, 0.00, 0.03
HSL	213°, 69%, 90%
HSV	213°, 14%, 97%
XYZ	71.6833, 76.1993, 98.9255
YIQ	225.3820, -15.6350, 2.5170

Conversions

Conversions Part 2

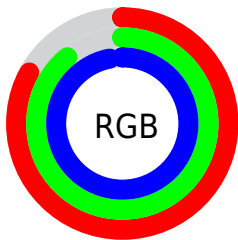
Format	Color
R _Y B	212, 223, 247
Decimal	13952247
CIE Lab	89.95, -1.56, -11.03
CIE LCh	90, 11.142, 261.928
Yxy	76.1993, 0.2904, 0.3087
Android (android.graphics.Color)	4292142327 (0xFFD4E4F7)
YUV	225.3820, 10.6577, -11.7360
Hunter-Lab	87.2922, -6.1793, -6.0869

Details

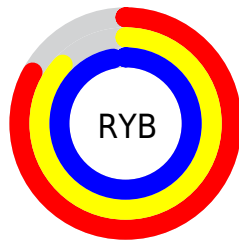
The XYZ color **71.6833, 76.1993, 98.9255** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **78.8178, 81.6791, 73.9004**, and the grayscale version is **71.7785, 75.5166, 82.2375**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.2522, 40.8168, 55.1525** is the 20% darker color. If you saturate the color by 10%, you get **61.5546, 65.7151, 97.4369**, and if you desaturate by 10%, it is **83.1918, 87.8233, 100.5638**.

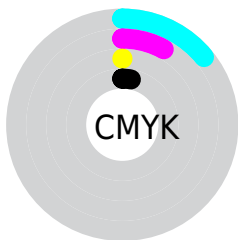
Distribution



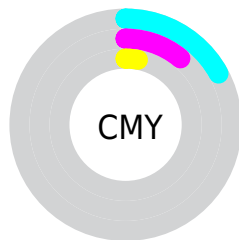
- Red (83%)
- Green (89%)
- Blue (97%)



- Red (83%)
- Yellow (87%)
- Blue (97%)



- Cyan (14%)
- Magenta (8%)
- Yellow (0%)
- Black (3%)



- Cyan (17%)
- Magenta (11%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.6833, 76.1993, 98.9255 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 71.6833, 76.1993, 98.9255 by changing the saturation by 10% instead.

■ 71.6833, 76.1993,
98.9255

■ 71.6833, 76.1993,
98.9255

455.6133,
482.0297, 577.9594

■ 53.1845, 56.5959,
74.7916

120.6194,
128.0086, 161.7188

■ 38.1782, 40.6809,
54.9415

151.7875,
160.9833, 201.2152

■ 26.2989, 28.0699,
38.9566

187.9093,
199.1840, 246.6696

■ 17.1812, 18.3783,
26.4184

229.3504,
242.9949, 298.5005

■ 10.4599, 11.2219,
16.9083

276.4759,
292.8006, 357.1263

■ 5.7695, 6.2163,
10.0079

329.6514,

■ 2.7448, 2.9771,

348.9853, 422.9658

5.2985

389.2420,
411.9335, 496.4373

■ 1.0203, 1.1198,
2.3617

■ 0.0000, 0.0000,
0.7655

■ 71.6833, 76.1993,
98.9255

■ 71.6833, 76.1993,
98.9255

■ 61.5546, 65.7151,
97.4369

■ 83.1918, 87.8233,
100.5638

■ 52.7431, 56.3230,
96.0885

■ 93.7307, 99.3794,
102.2389

■ 45.1912, 47.9853,
94.8772

■ 93.7887, 99.4955,
102.2582

■ 38.8342, 40.6585,
93.7980

■ 33.6010, 34.2950,
92.8455

■ 29.4122, 28.8429,
92.0139

■ 26.1765, 24.2432,
91.2967

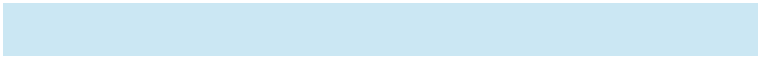
■ 23.7836, 20.4270,
90.6862

■ 22.6868, 18.5117,
90.3743

Harmonies

Analogous

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



69.2052, 76.1993, 95.5028



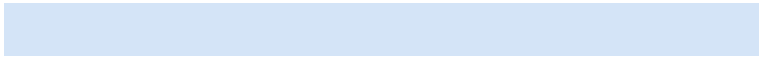
71.6833, 76.1993, 98.9255



74.4228, 76.1993, 97.8635

Triad

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



71.6833, 76.1993, 98.9255



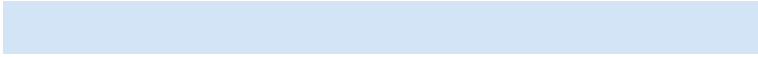
77.4548, 76.1993, 77.4268



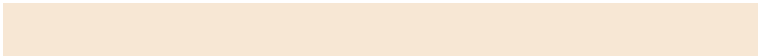
68.3316, 76.1993, 73.9538

Complementary

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



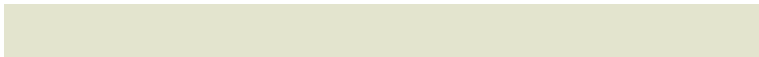
71.6833, 76.1993, 98.9255



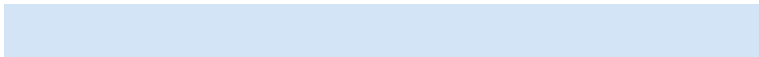
78.8178, 81.6791, 73.9004

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.



70.4635, 76.1993, 69.6664



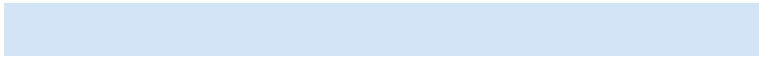
71.6833, 76.1993, 98.9255



75.7435, 76.1993, 71.5812

Square

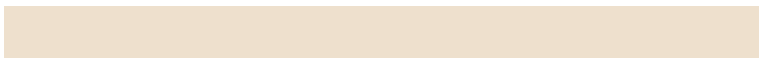
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.6833, 76.1993, 98.9255



77.8015, 76.1993, 85.1183



73.1721, 76.1993, 68.8262



67.3024, 76.1993, 80.8544

Rectangle

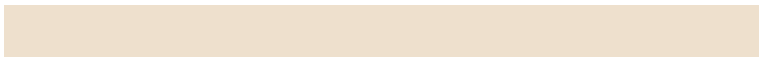
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.6833, 76.1993, 98.9255



76.0253, 76.1993, 94.7835



73.1721, 76.1993, 68.8262



68.9405, 76.1993, 72.1778

Sweetspot

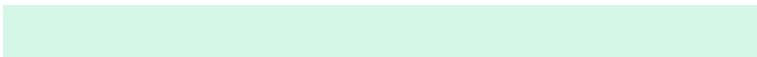
The Sweet Spot groups the original color and five complimentary colors.



71.6856, 76.2025, 98.9272



89.6557, 94.6349, 108.1488



74.7903, 86.2706, 88.0661



18.9788, 20.0447, 23.1187



0.0000, 0.0000, 0.0000



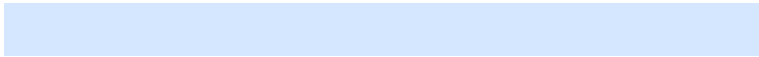
20.3446, 21.4041, 23.3091

Same Dimension

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



71.6856, 76.2025, 98.9272



73.8085, 78.5809, 105.8853



67.8224, 67.9750, 97.5428



16.2054, 17.1751, 21.0036



12.1363, 10.0665, 47.8414



1.1681, 1.0876, 4.2386

Inverse Universe

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



75.9066, 72.4643, 83.3888



79.1865, 73.9683, 86.0543



83.0933, 90.8390, 75.4431



16.8142, 16.6086, 18.7684



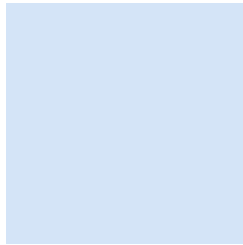
21.9304, 11.1156, 9.6077



1.9787, 0.9974, 1.1141

Previews

White Background



This preview shows how the XYZ color 71.6833, 76.1993, 98.9255 looks on a white background.

Color Contrast Check

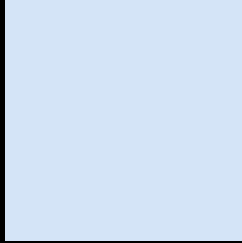
Large Text (above 18pt) WCAG AA × Fail

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 71.6833, 76.1993, 98.9255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

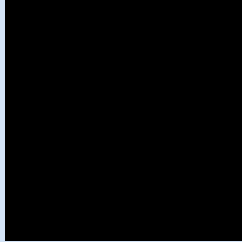
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

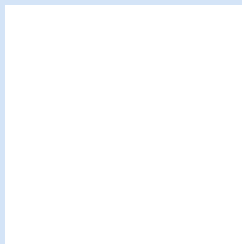
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.6833, 76.1993, 98.9255

Background



This preview shows how black text looks on a background with the XYZ color 71.6833, 76.1993, 98.9255.



This preview shows how white text looks on a background with the XYZ color 71.6833, 76.1993,

98.9255.

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

71.6833, 76.1993, 98.9255

Protanopia

73.8776, 75.7512, 97.1139

Deuteranopia

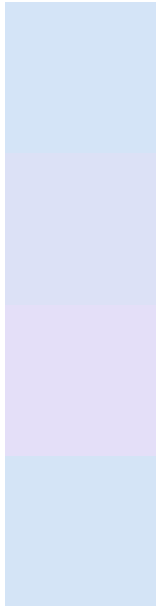
77.6171, 76.0305, 100.2070



Tritanopia

71.5293, 76.1377, 98.1148

Trichromacy



Original Color

71.6833, 76.1993, 98.9255

Protanomaly

73.0750, 75.7199, 97.9527

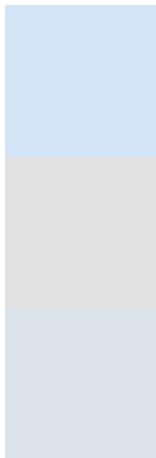
Deuteranomaly

75.3259, 76.0466, 99.5153

Tritanomaly

71.5293, 76.1377, 98.1148

Monochromacy



Original Color

71.6833, 76.1993, 98.9255

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.4195, 75.4915, 87.8979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.6833, 76.1993, 98.9255 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(212, 228, 247)` looks like.

```
.text, #text, p{  
    color:rgb(212, 228, 247)  
}
```

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(212, 228, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 228, 247) }
```

Border

The CSS property to change the border of an element to XYZ 71.6833, 76.1993, 98.9255 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(212, 228, 247) }
```


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

```
.border{ border-color:rgb(212, 228, 247) }
```

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

Here you see how a box with a 4 pixel rgb(212, 228, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 228, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 228, 247);  
box-shadow:4px 4px 4px 4px rgb(212, 228,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 71.6833, 76.1993, 98.9255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 228, 247) }
```

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

```
.background{ background-color: rgb(212,  
228, 247) }
```

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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