

Converting Colors

XYZ(70.1796, 75.8717, 78.6597)

Have a look what the booklet for
XYZ(70.1796, 75.8717, 78.6597)
contains.

XYZ(70.1769, 75.8698, 78.6558)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.1769, 75.8698,
78.6558)**

Conversions

Conversions Part 1

Format	Color
Hex	DCE4DC
RGB	220, 228, 220
RGB Percent	86%, 89%, 86%
CMY	0.1372, 0.1059, 0.1372
CMYK	0.04, 0.00, 0.04, 0.11
HSL	120°, 13%, 88%
HSV	120°, 4%, 89%
XYZ	70.1769, 75.8698, 78.6558
YIQ	224.6960, -2.2000, -4.1840

Conversions

Conversions Part 2

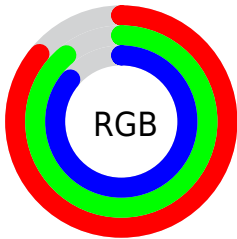
Format	Color
R _{YB}	220, 228, 228
Decimal	14476508
CIE Lab	89.80, -4.12, 2.96
CIE LCh	90, 5.069, 144.301
Yxy	75.8698, 0.3123, 0.3376
Android (android.graphics.Color)	4292666588 (0xFFDCE4DC)
YUV	224.6960, -2.3151, -4.1184
Hunter-Lab	87.1033, -8.6178, 7.4324

Details

The XYZ color **70.1769, 75.8698, 78.6558** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.5945, 73.2838, 83.7743**, and the grayscale version is **71.3689, 75.0856, 81.7682**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2522, 40.6031, 41.4711** is the 20% darker color. If you saturate the color by 10%, you get **60.9247, 71.4277, 63.5205**, and if you desaturate by 10%, it is **80.7864, 80.9683, 96.0075**.

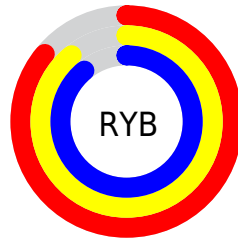
Distribution



Red (86%)

Green (89%)

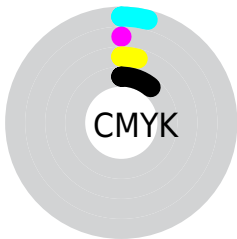
Blue (86%)



Red (86%)

Yellow (89%)

Blue (89%)

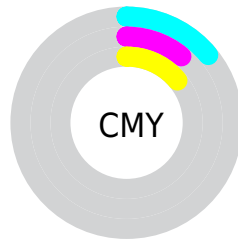


Cyan (4%)

Magenta (0%)

Yellow (4%)

Black (11%)



Cyan (14%)

Magenta (11%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1769, 75.8698, 78.6558 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 70.1769, 75.8698, 78.6558 by changing the saturation by 10% instead.

■ 70.1769, 75.8698,
78.6558

■ 70.1769, 75.8698,
78.6558

450.4276,
480.9019, 509.9780

■ 51.9509, 56.3258,
58.0932

118.4859,
127.5428, 133.2685

■ 37.1900, 40.4642,
41.4684

149.2996,
160.4406, 168.1556

■ 25.5290, 27.9006,
28.3628

185.0398,
198.5585, 208.6547

■ 16.6025, 18.2508,
18.3579

226.0721,
242.2807, 255.1842

■ 10.0450, 11.1302,
11.0352

272.7616,
291.9918, 308.1628

■ 5.4913, 6.1545,
5.9760

325.4738,

■ 2.5760, 2.9392,

348.0761, 368.0089

2.7619

384.5740,
410.9180, 435.1411

■ 0.9337, 1.1001,
0.9744

■ 0.0000, 0.0000,
0.0000

■ 70.1769, 75.8698,
78.6558

■ 70.1769, 75.8698,
78.6558

■ 60.9247, 71.4277,
63.5205

■ 80.7864, 80.9683,
96.0075

■ 52.9690, 67.6062,
50.5077

■ 87.0349, 83.9698,
106.2283

■ 46.2540, 64.3806,
39.5240

■ 40.7170, 61.7209,
30.4673

■ 36.2902, 59.5945,
23.2265

■ 32.8988, 57.9655,
17.6792

■ 30.4588, 56.7934,
13.6879

■ 28.8729, 56.0316,
11.0937

■ 28.0234, 55.6236,
9.7040

Harmonies

Analogous

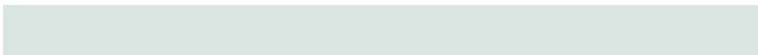
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.1270, 75.8698, 76.4908



70.1769, 75.8698, 78.6558



69.7458, 75.8698, 81.9273

Triad

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



70.1769, 75.8698, 78.6558



71.8734, 75.8698, 89.6527



74.3257, 75.8698, 79.8078

Complementary

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



70.1769, 75.8698, 78.6558



71.5945, 73.2838, 83.7743

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.



74.5311, 75.8698, 83.2951



70.1769, 75.8698, 78.6558



73.1060, 75.8698, 89.0457

Square

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



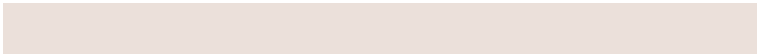
70.1769, 75.8698, 78.6558



70.7180, 75.8698, 88.3287



74.0823, 75.8698, 86.6931



73.5242, 75.8698, 77.1423

Rectangle

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



70.1769, 75.8698, 78.6558



69.8070, 75.8698, 84.3220



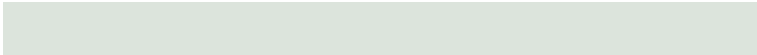
74.0823, 75.8698, 86.6931



74.4671, 75.8698, 80.9200

Sweetspot

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



70.1790, 75.8731, 78.6575



93.7102, 99.3564, 106.7085



72.6600, 77.1520, 78.7734



20.0720, 21.2731, 22.8631



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.



70.1790, 75.8731, 78.6575



89.7974, 97.4769, 100.3085



70.7155, 76.0877, 81.4827



15.1715, 16.5609, 16.8685



16.0201, 32.0401, 5.3402



1.1838, 2.3677, 0.3947

Inverse Universe

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



71.5945, 73.2838, 83.7743



91.8819, 93.6638, 107.8437



71.0452, 73.0640, 80.8817



15.5875, 15.7999, 18.3724



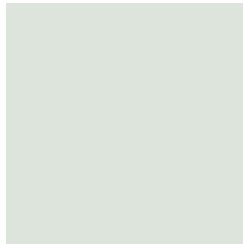
26.5607, 12.7585, 43.4432



1.9627, 0.9428, 3.2103

Previews

White Background



This preview shows how the XYZ color 70.1769, 75.8698, 78.6558 looks on a white background.

Color Contrast Check

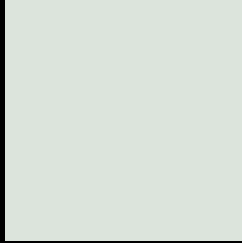
Large Text (above 18pt) WCAG AA × Fail

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 70.1769, 75.8698, 78.6558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

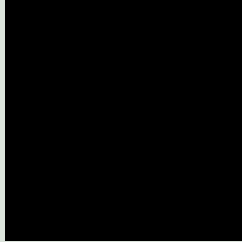
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

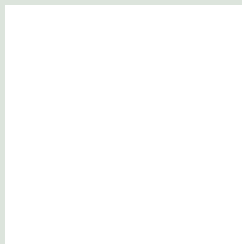
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.1769, 75.8698, 78.6558

Background



This preview shows how black text looks on a background with the XYZ color 70.1769, 75.8698, 78.6558.

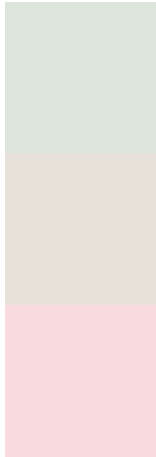


This preview shows how white text looks on a background with the XYZ color 70.1769, 75.8698,

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

70.1769, 75.8698, 78.6558

Protanopia

72.5351, 75.9013, 77.1571

Deuteranopia

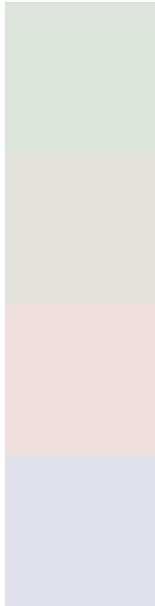
77.3231, 75.5565, 79.6157



Tritanopia

73.6927, 76.1085, 94.8108

Trichromacy



Original Color

70.1769, 75.8698, 78.6558

Protanomaly

71.6611, 75.8381, 77.8791

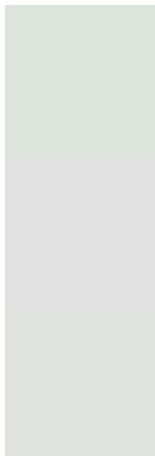
Deuteranomaly

74.4323, 75.6402, 79.0836

Tritanomaly

72.4791, 76.0212, 88.6954

Monochromacy



Original Color

70.1769, 75.8698, 78.6558

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.9471, 75.4084, 80.6280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1769, 75.8698, 78.6558 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(220, 228, 220) looks like.

```
.text, #text, p{  
    color:rgb(220, 228, 220)  
}
```

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(220, 228, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 228, 220) }
```

Border

The CSS property to change the border of an element to XYZ 70.1769, 75.8698, 78.6558 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(220, 228, 220) }
```


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

```
.border{ border-color:rgb(220, 228, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 228, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 228, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 228, 220);  
box-shadow:4px 4px 4px 4px rgb(220, 228,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1769, 75.8698, 78.6558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 228, 220) }
```

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

```
.background{ background-color: rgb(220,  
228, 220) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor