

Converting Colors

XYZ(69.9343, 76.7878, 84.5965)

Have a look what the booklet for
XYZ(69.9343, 76.7878, 84.5965)
contains.

XYZ(70.0201, 76.8994, 84.5514)	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(70.0201, 76.8994,
84.5514)**

Conversions

Conversions Part 1

Format	Color
Hex	D5E7E4
RGB	213, 231, 228
RGB Percent	84%, 91%, 89%
CMY	0.1647, 0.0941, 0.1059
CMYK	0.08, 0.00, 0.01, 0.09
HSL	170°, 27%, 87%
HSV	170°, 8%, 91%
XYZ	70.0201, 76.8994, 84.5514
YIQ	225.2760, -9.7650, -4.7490

Conversions

Conversions Part 2

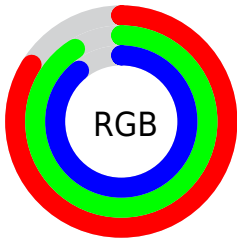
Format	Color
R _Y B	213, 223, 231
Decimal	14018532
CIE Lab	90.28, -6.51, -0.60
CIE LCh	90, 6.534, 185.242
Yxy	76.8994, 0.3025, 0.3322
Android (android.graphics.Color)	4292208612 (0xFFD5E7E4)
YUV	225.2760, 1.3429, -10.7661
Hunter-Lab	87.6923, -10.9338, 4.2182

Details

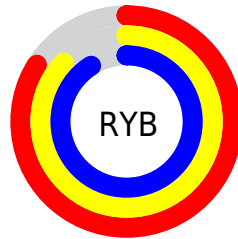
The XYZ color **70.0201, 76.8994, 84.5514** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.1467, 69.5374, 74.7470**, and the grayscale version is **71.7641, 75.5014, 82.2210**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9733, 40.9462, 45.4899** is the 20% darker color. If you saturate the color by 10%, you get **63.2625, 73.4790, 81.4747**, and if you desaturate by 10%, it is **77.7484, 80.8231, 87.7390**.

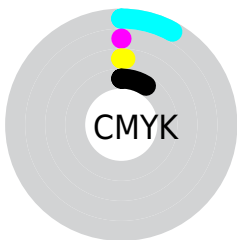
Distribution



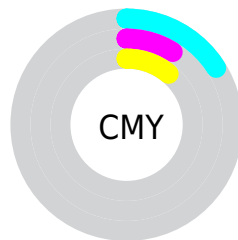
- Red (84%)
- Green (91%)
- Blue (89%)



- Red (84%)
- Yellow (87%)
- Blue (91%)



- Cyan (8%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



- Cyan (16%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0201, 76.8994, 84.5514 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 70.0201, 76.8994, 84.5514 by changing the saturation by 10% instead.

■ 70.0201, 76.8994,
84.5514

■ 70.0201, 76.8994,
84.5514

449.8859,
484.4210, 530.2483

■ 51.8226, 57.1703,
62.9228

118.2635,
128.9975, 141.6148

■ 37.0874, 41.1420,
45.3381

149.0401,
162.1352, 177.8867

■ 25.4491, 28.4301,
31.3790

184.7405,
200.5113, 219.8768

■ 16.5425, 18.6501,
20.6267

225.7300,
244.5102, 268.0035

■ 10.0021, 11.4177,
12.6628

272.3739,
294.5162, 322.6855

■ 5.4626, 6.3485,
7.0688

325.0376,

■ 2.5587, 3.0581,

350.9137, 384.3413

3.4261

384.0865,
414.0872, 453.3894

■ 0.9250, 1.1622,
1.3161

■ 0.0000, 0.0305,
0.0749

■ 70.0201, 76.8994,
84.5514

■ 70.0201, 76.8994,
84.5514

■ 63.2625, 73.4790,
81.4747

■ 77.7484, 80.8231,
87.7390

■ 57.4289, 70.5314,
78.5014


■ 84.9155, 84.4540,
90.9614

■ 52.4783, 68.0377,
75.6310


■ 85.4807, 84.6801,
93.9380

■ 48.3643, 65.9739,
72.8608


■ 86.0581, 84.9110,
96.9785


 45.0360, 64.3138,
70.1880


 86.6477, 85.1469,
100.0834

 42.4369, 63.0283,
67.6096


 87.2497, 85.3876,
103.2531

 40.5031, 62.0845,
65.1221

 87.8640, 85.6334,
106.4880

 39.1593, 61.4434,
62.7216

 87.8674, 85.6347,
106.5058

 38.3022, 61.0520,
60.4029

Harmonies

Analogous

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



70.2871, 76.8994, 80.0350



70.0201, 76.8994, 84.5514



70.5658, 76.8994, 89.0060

Triad

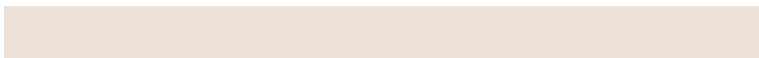
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.0201, 76.8994, 84.5514



74.9102, 76.8994, 91.2610



74.4082, 76.8994, 75.8571

Complementary

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



70.0201, 76.8994, 84.5514



69.1467, 69.5374, 74.7470

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.



75.6748, 76.8994, 78.6674



70.0201, 76.8994, 84.5514



75.9676, 76.8994, 87.5378

Square

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



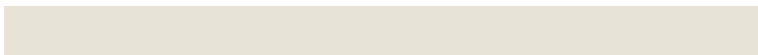
70.0201, 76.8994, 84.5514



73.3767, 76.8994, 92.9706



76.2495, 76.8994, 82.9147



72.8052, 76.8994, 75.1237

Rectangle

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



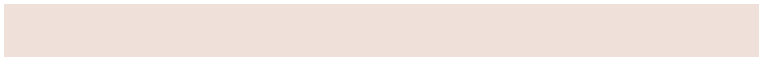
70.0201, 76.8994, 84.5514



71.3220, 76.8994, 91.3070



76.2495, 76.8994, 82.9147



74.8882, 76.8994, 76.5849

Sweetspot

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



70.0223, 76.9027, 84.5531



93.0618, 98.9908, 108.0935



68.9962, 76.6039, 74.1016



19.9399, 21.1987, 23.1450



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.



70.0223, 76.9027, 84.5531



86.4945, 95.6600, 105.3138



68.8732, 73.9312, 86.2453



14.6988, 16.2929, 17.9444



21.4226, 34.2011, 33.7893



1.6106, 2.5384, 2.6420

Inverse Universe

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



69.1467, 69.5374, 74.7470



85.2334, 85.0505, 91.1887



70.2212, 72.3021, 73.2067



14.4746, 14.4070, 15.4336



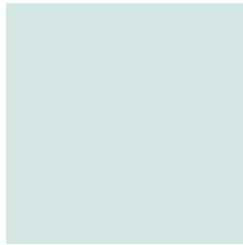
18.7066, 9.6168, 2.0839



1.4119, 0.7225, 0.3094

Previews

White Background



This preview shows how the XYZ color 70.0201, 76.8994, 84.5514 looks on a white background.

Color Contrast Check

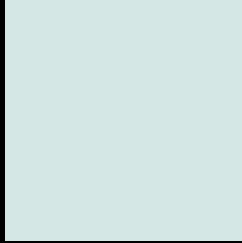
Large Text (above 18pt) WCAG AA × Fail

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 70.0201, 76.8994, 84.5514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

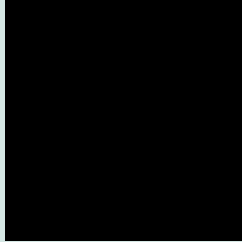
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

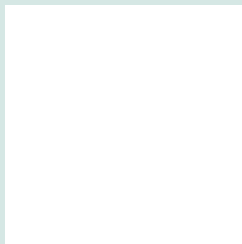
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.0201, 76.8994, 84.5514

Background



This preview shows how black text looks on a background with the XYZ color 70.0201, 76.8994, 84.5514.

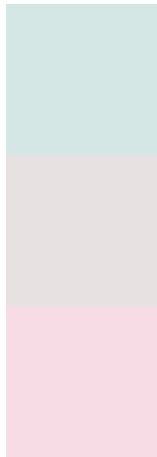


This preview shows how white text looks on a background with the XYZ color 70.0201, 76.8994,

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

70.0201, 76.8994, 84.5514

Protanopia

73.7420, 76.8179, 82.1749

Deuteranopia

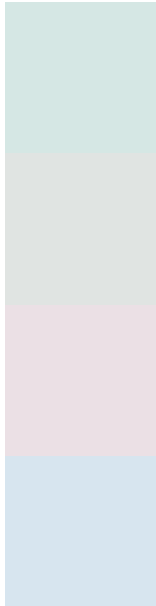
78.2339, 76.6737, 85.5390



Tritanopia

72.6969, 76.7396, 98.1695

Trichromacy



Original Color

70.0201, 76.8994, 84.5514

Protanomaly

72.2113, 76.8251, 82.9743

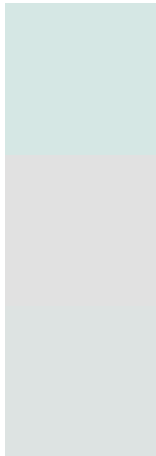
Deuteranomaly

75.0595, 76.6306, 84.9639

Tritanomaly

71.6236, 76.7177, 92.6944

Monochromacy



Original Color

70.0201, 76.8994, 84.5514

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.0153, 75.8013, 82.8397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0201, 76.8994, 84.5514 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(213, 231, 228) looks like.

```
.text, #text, p{  
    color:rgb(213, 231, 228)  
}
```

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(213, 231, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 231, 228) }
```

Border

The CSS property to change the border of an element to XYZ 70.0201, 76.8994, 84.5514 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(213, 231, 228) }
```


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

```
.border{ border-color:rgb(213, 231, 228) }
```

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

Here you see how a box with a 4 pixel rgb(213, 231, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 231, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 231, 228);  
box-shadow:4px 4px 4px 4px rgb(213, 231,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0201, 76.8994, 84.5514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 231, 228) }
```

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

```
.background{ background-color: rgb(213,  
231, 228) }
```

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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