

Converting Colors

XYZ(67.6650, 75.1218, 76.1017)

Have a look what the booklet for
XYZ(67.6650, 75.1218, 76.1017)
contains.

XYZ(67.5654, 74.9935, 75.8799)	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(67.5654, 74.9935,
75.8799)**

Conversions

Conversions Part 1

Format	Color
Hex	D4E5D8
RGB	212, 229, 216
RGB Percent	83%, 90%, 85%
CMY	0.1686, 0.1019, 0.1529
CMYK	0.07, 0.00, 0.06, 0.10
HSL	134°, 25%, 86%
HSV	134°, 7%, 90%
XYZ	67.5654, 74.9935, 75.8799
YIQ	222.4350, -5.9590, -7.6470

Conversions

Conversions Part 2

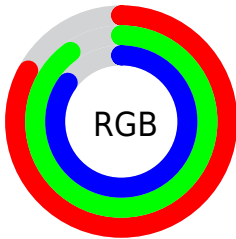
Format	Color
R _Y B	212, 226, 229
Decimal	13952472
CIE Lab	89.39, -8.03, 4.39
CIE LCh	89, 9.151, 151.341
Yxy	74.9935, 0.3093, 0.3433
Android (android.graphics.Color)	4292142552 (0xFFD4E5D8)
YUV	222.4350, -3.1725, -9.1515
Hunter-Lab	86.5988, -12.2801, 8.6679

Details

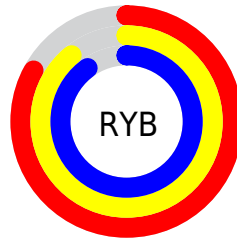
The XYZ color **67.5654, 74.9935, 75.8799** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.4499, 69.1832, 80.9311**, and the grayscale version is **69.7652, 73.3984, 79.9309**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.4737, 40.0134, 39.5719** is the 20% darker color. If you saturate the color by 10%, you get **59.2816, 70.9730, 64.2967**, and if you desaturate by 10%, it is **77.0311, 79.5996, 88.7814**.

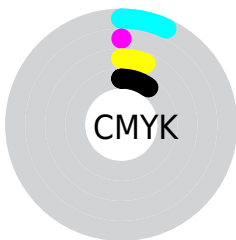
Distribution



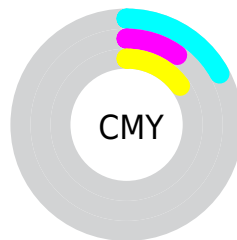
- Red (83%)
- Green (90%)
- Blue (85%)



- Red (83%)
- Yellow (89%)
- Blue (90%)



- Cyan (7%)
- Magenta (0%)
- Yellow (6%)
- Black (10%)



- Cyan (17%)
- Magenta (10%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.5654, 74.9935, 75.8799 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 67.5654, 74.9935, 75.8799 by changing the saturation by 10% instead.

67.5654, 74.9935,
75.8799

67.5654, 74.9935,
75.8799

441.3556,
477.8952, 500.2724

49.8166, 55.6076,
55.8280

114.7755,
126.3032, 129.3157

35.4849, 39.8884,
39.6619

144.9676,
158.9957, 163.5366

24.2049, 27.4515,
26.9633

180.0382,
196.8925, 203.3175

15.6113, 17.9126,
17.3135

220.3525,
240.3781, 249.0771

9.3386, 10.8873,
10.2939

266.2761,
289.8367, 301.2338

5.0216, 5.9911,
5.4861

318.1743,

2.2948, 2.8397,

345.6529, 360.2063

2.4715

376.4123,
408.2109, 426.4129

■ 0.7920, 1.0486,
0.8250

■ 0.0000, 0.0000,
0.0000

■ 67.5654, 74.9935,
75.8799

■ 67.5654, 74.9935,
75.8799

■ 59.2816, 70.9730,
64.2967

■ 77.0311, 79.5996,
88.7814

■ 52.1267, 67.5053,
53.9852

■ 86.6778, 84.2682,
102.9871

■ 46.0528, 64.5688,
44.9036

■ 87.3107, 84.5214,
106.3202

■ 41.0063, 62.1369,
37.0056

■ 36.9289, 60.1803,
30.2423

■ 33.7560, 58.6671,
24.5613

■ 31.4154, 57.5611,
19.9058

■ 29.8226, 56.8201,
16.2141

■ 28.8680, 56.3889,
13.4169

Harmonies

Analogous

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



69.0618, 74.9935, 71.5647



67.5654, 74.9935, 75.8799



67.0585, 74.9935, 81.9442

Triad

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



67.5654, 74.9935, 75.8799



71.3799, 74.9935, 94.6207



75.0221, 74.9935, 75.4048

Complementary

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



67.5654, 74.9935, 75.8799



69.4499, 69.1832, 80.9311

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.



75.6731, 74.9935, 81.3669



67.5654, 74.9935, 75.8799



73.5433, 74.9935, 92.6522

Square

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



67.5654, 74.9935, 75.8799



69.2329, 74.9935, 92.9666



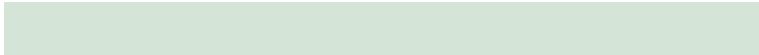
75.1264, 74.9935, 87.7163



73.3652, 74.9935, 71.3006

Rectangle

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



67.5654, 74.9935, 75.8799



67.3414, 74.9935, 86.2277



75.1264, 74.9935, 87.7163



75.3673, 74.9935, 77.2472

Sweetspot

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



67.5675, 74.9967, 75.8815



92.5768, 98.7969, 105.5396



70.9677, 76.8086, 73.3737



19.8412, 21.1592, 22.6251



0.0000, 0.0000, 0.0000



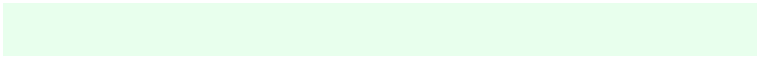
20.3446, 21.4041, 23.3091

Same Dimension

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



67.5675, 74.9967, 75.8815



84.4067, 94.8249, 94.3194



68.6911, 75.4461, 81.7984



14.3276, 16.1445, 15.9898



16.4378, 32.2072, 7.5400



1.2502, 2.3942, 0.7440

Inverse Universe

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



69.4499, 69.1832, 80.9311



87.3035, 85.8785, 102.0897



68.3227, 68.7323, 74.9953



14.8425, 14.5542, 17.3709



22.9552, 11.3163, 24.4568



1.7315, 0.8503, 1.9925

Previews

White Background



This preview shows how the XYZ color 67.5654, 74.9935, 75.8799 looks on a white background.

Color Contrast Check

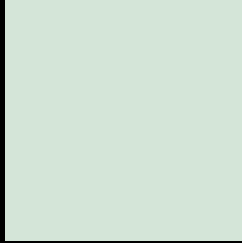
Large Text (above 18pt) WCAG AA × Fail

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 67.5654, 74.9935, 75.8799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

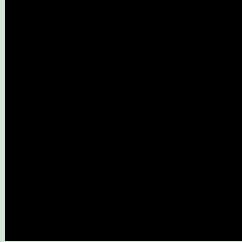
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

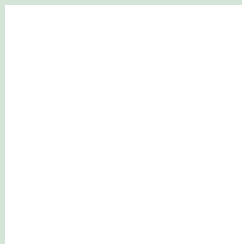
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.5654, 74.9935, 75.8799

Background



This preview shows how black text looks on a background with the XYZ color 67.5654, 74.9935, 75.8799.



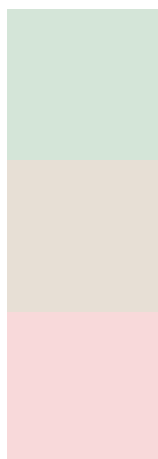
This preview shows how white text looks on a background with the XYZ color 67.5654, 74.9935,

75.8799.

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

67.5654, 74.9935, 75.8799

Protanopia

71.3529, 74.5684, 73.5832

Deuteranopia

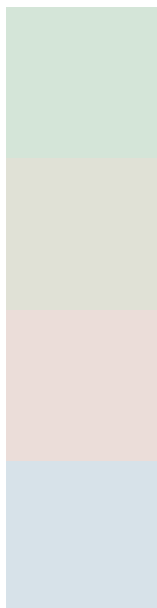
76.1791, 74.6441, 76.7223



Tritanopia

71.4218, 74.9204, 95.4908

Trichromacy



Original Color

67.5654, 74.9935, 75.8799

Protanomaly

69.8033, 74.5528, 74.3294

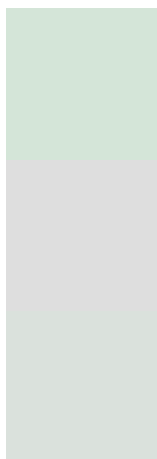
Deuteranomaly

72.6418, 74.3848, 76.1747

Tritanomaly

69.9287, 74.7230, 87.8281

Monochromacy



Original Color

67.5654, 74.9935, 75.8799

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.7569, 73.9232, 78.3549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5654, 74.9935, 75.8799 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, 229, 216) looks like.

```
.text, #text, p{  
    color:rgb(212, 229, 216)  
}
```

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, 229, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 229, 216) }
```

Border

The CSS property to change the border of an element to XYZ 67.5654, 74.9935, 75.8799 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, 229, 216) }
```


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

```
.border{ border-color:rgb(212, 229, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 229, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 229, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 229, 216); box-shadow:4px 4px 4px 4px rgb(212, 229, 216) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5654, 74.9935, 75.8799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 229, 216) }
```

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

```
.background{ background-color: rgb(212,  
229, 216) }
```

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