

Converting Colors

XYZ(68.6902, 76.8000, 75.1581)

Have a look what the booklet for
XYZ(68.6902, 76.8000, 75.1581)
contains.

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Color

**XYZ(68.8539, 76.9157,
75.5072)**

Conversions

Conversions Part 1

Format	Color
Hex	D6E8D7
RGB	214, 232, 215
RGB Percent	84%, 91%, 84%
CMY	0.1608, 0.0902, 0.1569
CMYK	0.08, 0.00, 0.07, 0.09
HSL	123°, 28%, 87%
HSV	123°, 8%, 91%
XYZ	68.8539, 76.9157, 75.5072
YIQ	224.6800, -5.2710, -9.1030

Conversions

Conversions Part 2

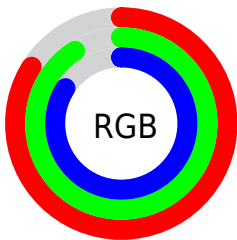
Format	Color
RYB	214, 231, 232
Decimal	14084311
CIELab	90.28, -9.06, 6.22
CIELCh	90, 10.989, 145.532
Yxy	76.9157, 0.3112, 0.3476
Android (android.graphics.Color)	4292274391 (0xFFD6E8D7)
YUV	224.6800, -4.7722, -9.3664
Hunter-Lab	87.7016, -13.3387, 10.3450

Details

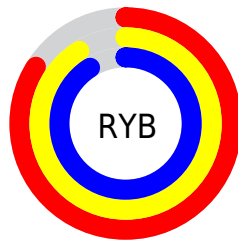
The XYZ color **68.8539, 76.9157, 75.5072** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.7519, 71.0203, 85.5316**, and the grayscale version is **71.3760, 75.0931, 81.7764**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1686, 40.9597, 39.2574** is the 20% darker color. If you saturate the color by 10%, you get **59.9296, 72.6211, 61.3636**, and if you desaturate by 10%, it is **79.1240, 81.8649, 91.6854**.

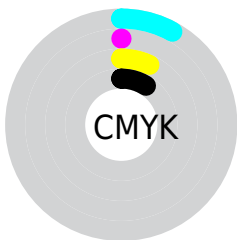
Distribution



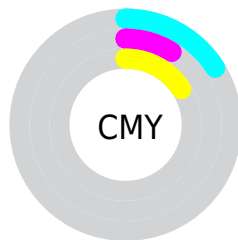
- Red (84%)
- Green (91%)
- Blue (84%)



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



- Cyan (8%)
- Magenta (0%)
- Yellow (7%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8539, 76.9157, 75.5072 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 68.8539, 76.9157, 75.5072 by changing the saturation by 10% instead.

68.8539, 76.9157,
75.5072

68.8539, 76.9157,
75.5072

445.8450,
484.4766, 498.9609

50.8689, 57.1837,
55.5243

116.6081,
129.0205, 128.7838

36.3249, 41.1527,
39.4202

147.1080,
162.1620, 162.9145

24.8565, 28.4384,
26.7764

182.5103,
200.5422, 202.5982

16.0984, 18.6564,
17.1744

223.1804,
244.5454, 248.2535

9.6851, 11.4223,
10.1957

269.4835,
294.5561, 300.2989

5.2513, 6.3516,
5.4216

321.7851,

2.4317, 3.0600,

350.9586, 359.1529

2.4337

380.4504,
414.1373, 425.2340

■ 0.8610, 1.1632,
0.8047

■ 0.0000, 0.0313,
0.0000

■ 68.8539, 76.9157,
75.5072

■ 68.8539, 76.9157,
75.5072

■ 59.9296, 72.6211,
61.3636

■ 79.1240, 81.8649,
91.6854

■ 52.2894, 68.9444,
49.1692

■ 88.1481, 86.1963,
106.5994

■ 45.8759, 65.8601,
38.8402

■ 40.6253, 63.3372,
30.2847

■ 36.4677, 61.3419,
23.4029

■ 33.3260, 59.8368,
18.0852

■ 31.1128, 58.7794,
14.2090

■ 29.7260, 58.1200,
11.6333

■ 29.0307, 57.7928,
10.1887

Harmonies

Analogous

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



70.8618, 76.9157, 70.8749



68.8539, 76.9157, 75.5072



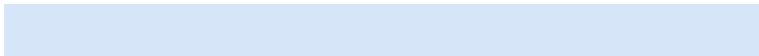
67.9855, 76.9157, 82.5799

Triad

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



68.8539, 76.9157, 75.5072



72.6970, 76.9157, 99.6853



77.9568, 76.9157, 77.4204

Complementary

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



68.8539, 76.9157, 75.5072



71.7519, 71.0203, 85.5316

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.



78.4775, 76.9157, 84.9273



68.8539, 76.9157, 75.5072



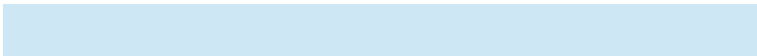
75.3972, 76.9157, 98.0927

Square

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



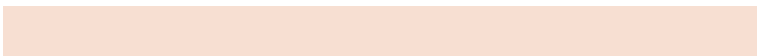
68.8539, 76.9157, 75.5072



70.1689, 76.9157, 96.7943



77.5298, 76.9157, 92.5678



76.1241, 76.9157, 71.9302

Rectangle

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



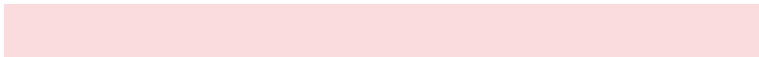
68.8539, 76.9157, 75.5072



68.1535, 76.9157, 87.8479



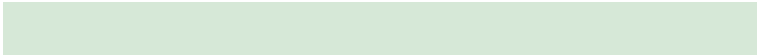
77.5298, 76.9157, 92.5678



78.2930, 76.9157, 79.7779

Sweetspot

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



68.8560, 76.9190, 75.5089



92.4326, 98.7392, 104.7802



73.9849, 79.5778, 75.0798



19.8118, 21.1474, 22.4704



0.0000, 0.0000, 0.0000



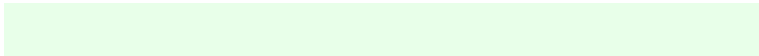
20.3446, 21.4041, 23.3091

Same Dimension

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



68.8560, 76.9190, 75.5089



83.8094, 94.5860, 91.1743



70.0315, 77.3892, 81.6990



14.2216, 16.1021, 15.4319



16.0744, 32.0619, 5.6262



1.1994, 2.3739, 0.4764

Inverse Universe

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



71.7519, 71.0203, 85.5316



87.9560, 86.1395, 105.5258



70.5260, 70.5300, 79.0763



14.9587, 14.6007, 17.9830



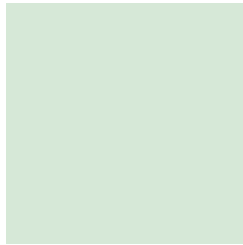
25.5972, 12.3731, 38.3696



1.9022, 0.9186, 2.8914

Previews

White Background



This preview shows how the XYZ color 68.8539, 76.9157, 75.5072 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 68.8539, 76.9157, 75.5072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

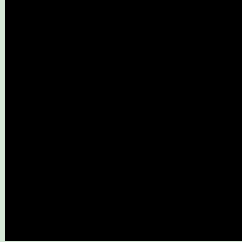
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

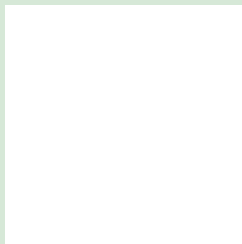
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.8539, 76.9157, 75.5072

Background



This preview shows how black text looks on a background with the XYZ color 68.8539, 76.9157, 75.5072.

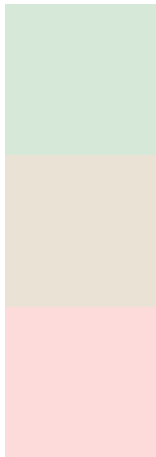


This preview shows how white text looks on a background with the XYZ color 68.8539, 76.9157,

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

68.8539, 76.9157, 75.5072

Protanopia

73.0117, 76.6386, 73.2320

Deuteranopia

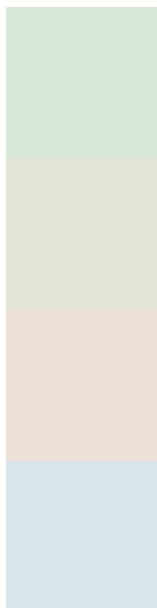
78.1313, 76.4204, 76.9623



Tritanopia

73.3171, 76.6521, 98.1199

Trichromacy



Original Color

68.8539, 76.9157, 75.5072

Protanomaly

71.4322, 76.6218, 73.9754

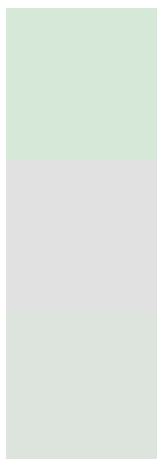
Deuteranomaly

74.4399, 76.4982, 76.4879

Tritanomaly

71.6300, 76.7885, 89.6436

Monochromacy



Original Color

68.8539, 76.9157, 75.5072

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.6133, 76.0794, 79.3697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8539, 76.9157, 75.5072 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(214, 232, 215)` looks like.

```
.text, #text, p{  
    color:rgb(214, 232, 215)  
}
```

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(214, 232, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 232, 215) }
```

Border

The CSS property to change the border of an element to XYZ 68.8539, 76.9157, 75.5072 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(214, 232, 215) }
```


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

```
.border{ border-color:rgb(214, 232, 215) }
```

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

Here you see how a box with a 4 pixel rgb(214, 232, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 232, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 232, 215);  
box-shadow:4px 4px 4px 4px rgb(214, 232,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8539, 76.9157, 75.5072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 232, 215) }
```

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

```
.background{ background-color: rgb(214,  
232, 215) }
```

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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