

Converting Colors

XYZ(67.8684, 69.5072, 88.8981)

Have a look what the booklet for
XYZ(67.8684, 69.5072, 88.8981)
contains.

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Color

**XYZ(68.0151, 69.7668,
89.2384)**

Conversions

Conversions Part 1

Format	Color
Hex	D8D8EC
RGB	216, 216, 236
RGB Percent	85%, 85%, 93%
CMY	0.1529, 0.1529, 0.0745
CMYK	0.08, 0.08, 0.00, 0.07
HSL	240°, 34%, 89%
HSV	240°, 8%, 93%
XYZ	68.0151, 69.7668, 89.2384
YIQ	218.2800, -6.4200, 6.2200

Conversions

Conversions Part 2

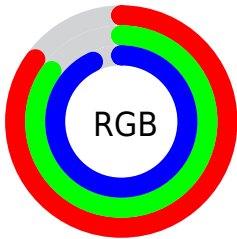
Format	Color
R _Y B	216, 216, 236
Decimal	14211308
CIE Lab	86.88, 3.77, -9.78
CIE LCh	87, 10.483, 291.055
Yxy	69.7668, 0.2996, 0.3073
Android (android.graphics.Color)	4292401388 (0xFFD8D8EC)
YUV	218.2800, 8.7360, -1.9996
Hunter-Lab	83.5265, -0.8200, -4.8759

Details

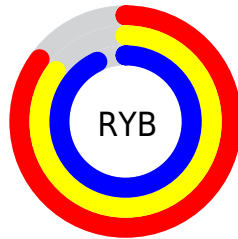
The XYZ color **68.0151, 69.7668, 89.2384** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.9824, 82.7810, 76.8880**, and the grayscale version is **66.7802, 70.2580, 76.5110**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.6810, 36.3621, 48.3180** is the 20% darker color. If you saturate the color by 10%, you get **55.9201, 55.1941, 87.0641**, and if you desaturate by 10%, it is **81.9837, 86.5977, 91.7520**.

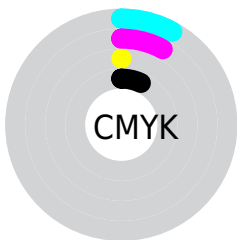
Distribution



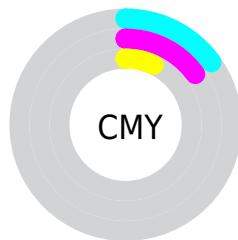
- Red (85%)
- Green (85%)
- Blue (93%)



- Red (85%)
- Yellow (85%)
- Blue (93%)



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



- Cyan (15%)
- Magenta (15%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0151, 69.7668, 89.2384 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 68.0151, 69.7668, 89.2384 by changing the saturation by 10% instead.

■ 68.0151, 69.7668,
89.2384

■ 68.0151, 69.7668,
89.2384

442.9254,
459.7308, 546.0563

■ 50.1837, 51.3364,
66.7790

115.4155,
118.8761, 148.2063

■ 35.7778, 36.4764,
48.4446

145.7153,
150.3239, 185.5519

■ 24.4320, 24.8024,
33.8166

180.9020,
186.8796, 228.6966

■ 15.7808, 15.9299,
22.4765

221.3408,
228.9276, 278.0590

■ 9.4591, 9.4745,
14.0058

267.3972,
276.8523, 334.0577

■ 5.1013, 5.0520,
7.9859

319.4366,

■ 2.3422, 2.2778,

331.0382, 397.1111

3.9983

377.8242,
391.8695, 467.6378

■ 0.8161, 0.7619,
1.6244

■ 0.0000, 0.0000,
0.3081

■ 68.0151, 69.7668,
89.2384

■ 68.0151, 69.7668,
89.2384

■ 55.9201, 55.1941,
87.0641

■ 81.9837, 86.5977,
91.7520

■ 45.6132, 42.7753,
85.2103

■ 92.1405, 98.8362,
93.5789

■ 37.0115, 32.4110,
83.6631

■ 30.0231, 23.9904,
82.4061

■ 24.5474, 17.3925,
81.4212

■ 20.4729, 12.4826,
80.6883

■ 17.6721, 9.1076,
80.1844

■ 15.9951, 7.0865,
79.8827

■ 15.2251, 6.1584,
79.7442

Harmonies

Analogous

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



65.5828, 69.7668, 90.0597



68.0151, 69.7668, 89.2384



70.0363, 69.7668, 84.7478

Triad

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



68.0151, 69.7668, 89.2384



69.3112, 69.7668, 65.9638



61.7736, 69.7668, 73.8895

Complementary

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



68.0151, 69.7668, 89.2384



76.9824, 82.7810, 76.8880

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.



62.7207, 69.7668, 67.8095



68.0151, 69.7668, 89.2384



67.0451, 69.7668, 63.4220

Square

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



68.0151, 69.7668, 89.2384



70.7973, 69.7668, 71.2277



64.6361, 69.7668, 64.0763



62.0189, 69.7668, 80.9061

Rectangle

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



68.0151, 69.7668, 89.2384



70.8592, 69.7668, 80.4209



64.6361, 69.7668, 64.0763



61.9622, 69.7668, 71.6753

Sweetspot

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



68.0172, 69.7697, 89.2399



89.8996, 93.7944, 107.9736



73.4075, 80.6278, 90.7980



18.9551, 19.7299, 23.0592



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.



68.0172, 69.7697, 89.2399



78.6818, 80.2783, 105.9560



70.9570, 71.2841, 89.3773



14.2315, 14.5493, 18.9805



8.3459, 3.3388, 43.9475



0.6554, 0.2623, 3.4510

Inverse Universe

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



71.5442, 71.9040, 75.0772



83.6112, 83.2611, 86.1624



73.8600, 81.1726, 76.7421



15.0656, 15.0541, 15.6309



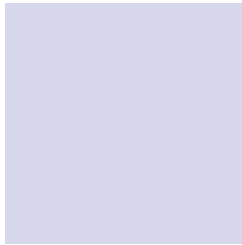
19.0679, 9.8299, 0.8932



1.4973, 0.7719, 0.0703

Previews

White Background



This preview shows how the XYZ color 68.0151, 69.7668, 89.2384 looks on a white background.

Color Contrast Check

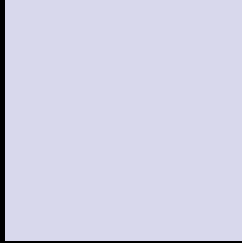
Large Text (above 18pt) WCAG AA × Fail

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 68.0151, 69.7668, 89.2384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

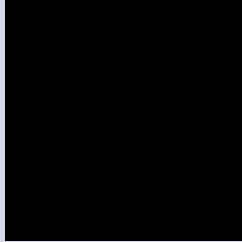
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.0151, 69.7668, 89.2384

Background



This preview shows how black text looks on a background with the XYZ color 68.0151, 69.7668, 89.2384.

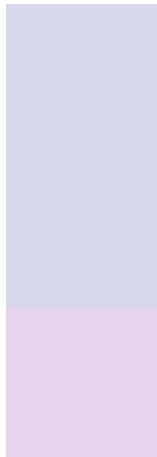


This preview shows how white text looks on a background with the XYZ color 68.0151, 69.7668,

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

68.0151, 69.7668, 89.2384

Protanopia

68.0151, 69.7668, 89.2384

Deuteranopia

71.2135, 69.5260, 89.7873



Tritanopia

67.7261, 69.6512, 87.7164

Trichromacy



Original Color

68.0151, 69.7668, 89.2384

Protanomaly

68.0151, 69.7668, 89.2384

Deuteranomaly

70.1316, 69.7105, 89.8799

Tritanomaly

67.8702, 69.7088, 88.4753

Monochromacy



Original Color

68.0151, 69.7668, 89.2384

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

67.0187, 69.8137, 81.1773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0151, 69.7668, 89.2384 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(216, 216, 236) looks like.

```
.text, #text, p{  
    color:rgb(216, 216, 236)  
}
```

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(216, 216, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 216, 236) }
```

Border

The CSS property to change the border of an element to XYZ 68.0151, 69.7668, 89.2384 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(216, 216, 236) }
```


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

```
.border{ border-color:rgb(216, 216, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 216, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 216, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 216, 236);  
box-shadow:4px 4px 4px 4px rgb(216, 216,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0151, 69.7668, 89.2384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 216, 236) }
```

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

```
.background{ background-color: rgb(216,  
216, 236) }
```

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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