

Converting Colors

XYZ(68.3077, 69.9993, 90.3632)

Have a look what the booklet for
XYZ(68.3077, 69.9993, 90.3632)
contains.

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Color

**XYZ(68.1608, 69.8251,
90.0059)**

Conversions

Conversions Part 1

Format	Color
Hex	D8D8ED
RGB	216, 216, 237
RGB Percent	85%, 85%, 93%
CMY	0.1529, 0.1529, 0.0706
CMYK	0.09, 0.09, 0.00, 0.07
HSL	240°, 37%, 89%
HSV	240°, 9%, 93%
XYZ	68.1608, 69.8251, 90.0059
YIQ	218.3940, -6.7410, 6.5310

Conversions

Conversions Part 2

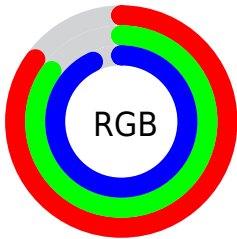
Format	Color
R _Y B	216, 216, 237
Decimal	14211309
CIE Lab	86.91, 3.96, -10.27
CIE LCh	87, 11.006, 291.098
Yxy	69.8251, 0.2990, 0.3063
Android (android.graphics.Color)	4292401389 (0xFFD8D8ED)
YUV	218.3940, 9.1728, -2.0995
Hunter-Lab	83.5614, -0.6306, -5.3696

Details

The XYZ color **68.1608, 69.8251, 90.0059** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.6041, 83.5300, 76.9997**, and the grayscale version is **66.8562, 70.3379, 76.5980**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.7833, 36.4030, 48.8566** is the 20% darker color. If you saturate the color by 10%, you get **56.0184, 55.1954, 87.8231**, and if you desaturate by 10%, it is **82.1926, 86.7322, 92.5308**.

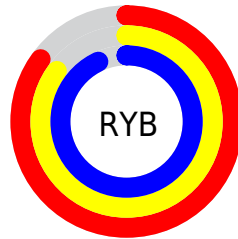
Distribution



Red (85%)

Green (85%)

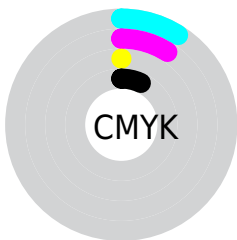
Blue (93%)



Red (85%)

Yellow (85%)

Blue (93%)

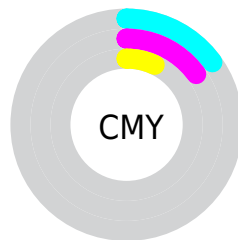


Cyan (9%)

Magenta (9%)

Yellow (0%)

Black (7%)



Cyan (15%)

Magenta (15%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1608, 69.8251, 90.0059 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 68.1608, 69.8251, 90.0059 by changing the saturation by 10% instead.

■ 68.1608, 69.8251,
90.0059

■ 68.1608, 69.8251,
90.0059

443.4333,
459.9357, 548.6206

■ 50.3027, 51.3840,
67.4118

115.6228,
118.9593, 149.2822

■ 35.8728, 36.5143,
48.9557

145.9574,
150.4212, 186.8014

■ 24.5056, 24.8316,
34.2190

181.1816,
186.9920, 230.1328

■ 15.8359, 15.9517,
22.7831

221.6607,
229.0563, 279.6949

■ 9.4982, 9.4900,
14.2297

267.7601,
276.9985, 335.9062

■ 5.1272, 5.0621,
8.1400

319.8451,

■ 2.3576, 2.2838,

331.2028, 399.1852

4.0956

378.2810,
392.0537, 469.9505

■ 0.8239, 0.7651,
1.6779

■ 0.0000, 0.0000,
0.3455

■ 68.1608, 69.8251,
90.0059

■ 68.1608, 69.8251,
90.0059

■ 56.0184, 55.1954,
87.8231

■ 82.1926, 86.7322,
92.5308

■ 45.6790, 42.7374,
85.9634

■ 92.2863, 98.8945,
94.3464

■ 37.0585, 32.3504,
84.4129

■ 30.0637, 23.9221,
83.1548

■ 24.5928, 17.3299,
82.1707

■ 20.5322, 12.4369,
81.4402

■ 17.7528, 9.0875,
80.9402

■ 16.1017, 7.0976,
80.6432

■ 15.3498, 6.1914,
80.5079

Harmonies

Analogous

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



65.6051, 69.8251, 90.8793



68.1608, 69.8251, 90.0059



70.2858, 69.8251, 85.2631

Triad

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



68.1608, 69.8251, 90.0059



69.5176, 69.8251, 65.5404



61.6048, 69.8251, 73.8592

Complementary

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



68.1608, 69.8251, 90.0059



77.6041, 83.5300, 76.9997

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.



62.5960, 69.8251, 67.4844



68.1608, 69.8251, 90.0059



67.1341, 69.8251, 62.8892

Square

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



68.1608, 69.8251, 90.0059



71.0831, 69.8251, 71.0479



64.6043, 69.8251, 63.5772



61.8636, 69.8251, 81.2349

Rectangle

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



68.1608, 69.8251, 90.0059



71.1509, 69.8251, 80.7037



64.6043, 69.8251, 63.5772



61.8019, 69.8251, 71.5358

Sweetspot

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



68.1629, 69.8280, 90.0074



89.8996, 93.7944, 107.9737



73.8392, 81.2625, 91.6475



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.



68.1629, 69.8280, 90.0074



77.1694, 78.4560, 105.6840



71.2542, 71.4204, 90.1519



14.2315, 14.5494, 18.9805



8.3459, 3.3389, 43.9476



0.6554, 0.2623, 3.4510

Inverse Universe

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



71.8772, 72.0755, 75.0928



82.5542, 81.7144, 84.0614



74.3113, 81.8339, 76.8459



15.0656, 15.0541, 15.6309



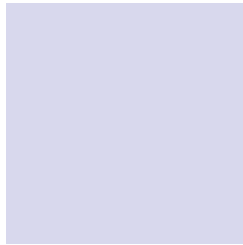
19.0679, 9.8299, 0.8932



1.4973, 0.7719, 0.0703

Previews

White Background



This preview shows how the XYZ color 68.1608, 69.8251, 90.0059 looks on a white background.

Color Contrast Check

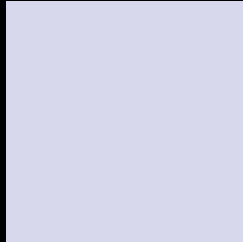
Large Text (above 18pt) WCAG AA × Fail

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 68.1608, 69.8251, 90.0059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

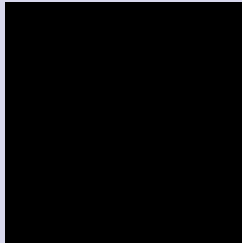
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.1608, 69.8251, 90.0059

Background



This preview shows how black text looks on a background with the XYZ color 68.1608, 69.8251, 90.0059.

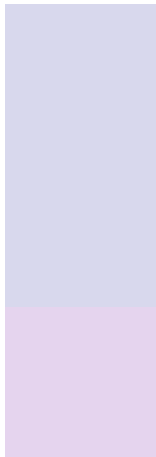


This preview shows how white text looks on a background with the XYZ color 68.1608, 69.8251,

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

68.1608, 69.8251, 90.0059

Protanopia

68.1608, 69.8251, 90.0059

Deuteranopia

71.2892, 69.9180, 90.6271



Tritanopia

67.6885, 70.0133, 87.7883

Trichromacy



Original Color

68.1608, 69.8251, 90.0059

Protanomaly

68.1608, 69.8251, 90.0059

Deuteranomaly

69.9673, 69.6088, 90.6371

Tritanomaly

67.8326, 70.0709, 88.5471

Monochromacy



Original Color

68.1608, 69.8251, 90.0059

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 68.1608, 69.8251, 90.0059 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, 237) looks like.

```
.text, #text, p{  
    color:rgb(216, 216, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 216, 237) }
```

Border

The CSS property to change the border of an element to XYZ 68.1608, 69.8251, 90.0059 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, 237) }
```


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

```
.border{ border-color:rgb(216, 216, 237) }
```

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, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 216, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 216, 237);  
box-shadow:4px 4px 4px 4px rgb(216, 216,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1608, 69.8251, 90.0059 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, 237) }
```

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

```
.background{ background-color: rgb(216,  
216, 237) }
```

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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