

Converting Colors

XYZ(67.2891, 68.6840, 90.4192)

Have a look what the booklet for
XYZ(67.2891, 68.6840, 90.4192)
contains.

XYZ(67.2107, 68.5623, 90.5804)	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(67.2107, 68.5623,
90.5804)**

Conversions

Conversions Part 1

Format	Color
Hex	D6D6EE
RGB	214, 214, 238
RGB Percent	84%, 84%, 93%
CMY	0.1608, 0.1608, 0.0667
CMYK	0.10, 0.10, 0.00, 0.07
HSL	240°, 41%, 89%
HSV	240°, 10%, 93%
XYZ	67.2107, 68.5623, 90.5804
YIQ	216.7360, -7.7040, 7.4640

Conversions

Conversions Part 2

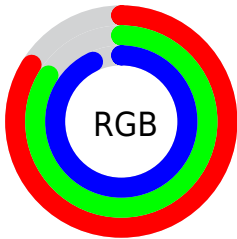
Format	Color
R _{YB}	214, 214, 238
Decimal	14079726
CIE _{Lab}	86.29, 4.56, -11.74
CIE _{LCh}	86, 12.598, 291.234
Y _{xy}	68.5623, 0.2969, 0.3029
Android (android.graphics.Color)	4292269806 (0xFFD6D6EE)
Y _{UV}	216.7360, 10.4832, -2.3995
Hunter-Lab	82.8024, -0.0156, -6.8978

Details

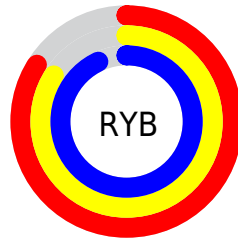
The XYZ color **67.2107, 68.5623, 90.5804** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.9723, 84.1806, 75.7585**, and the grayscale version is **65.7086, 69.1306, 75.2832**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.1397, 35.5446, 49.2647** is the 20% darker color. If you saturate the color by 10%, you get **55.1770, 54.0633, 88.4171**, and if you desaturate by 10%, it is **81.1432, 85.3499, 93.0875**.

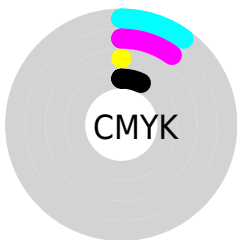
Distribution



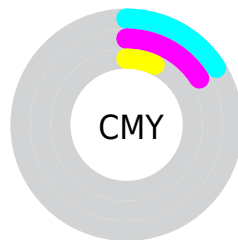
- Red (84%)
- Green (84%)
- Blue (93%)



- Red (84%)
- Yellow (84%)
- Blue (93%)



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



- Cyan (16%)
- Magenta (16%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2107, 68.5623, 90.5804 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 67.2107, 68.5623, 90.5804 by changing the saturation by 10% instead.

■ 67.2107, 68.5623,
90.5804

■ 67.2107, 68.5623,
90.5804

440.1151,
455.4857, 550.5358

■ 49.5272, 50.3553,
67.8857

114.2704,
117.1562, 150.0869

■ 35.2541, 35.6958,
49.3386

144.3773,
148.3119, 187.7358

■ 24.0261, 24.1994,
34.5207

179.3561,
184.5526, 231.2064

■ 15.4778, 15.4816,
23.0133

219.5720,
226.2628, 280.9175

■ 9.2439, 9.1581,
14.3979

265.3906,
273.8268, 337.2874

■ 4.9590, 4.8444,
8.2561

317.1770,

■ 2.2577, 2.1563,

327.6290, 400.7347

4.1691

375.2967,
388.0539, 471.6780

■ 0.7729, 0.6960,
1.7186

■ 0.0000, 0.0000,
0.3734

■ 67.2107, 68.5623,
90.5804

■ 67.2107, 68.5623,
90.5804

■ 55.1770, 54.0633,
88.4171

■ 81.1432, 85.3499,
93.0875

■ 44.9540, 41.7456,
86.5784

■ 92.4328, 98.9531,
95.1181

■ 36.4562, 31.5064,
85.0499

■ 29.5883, 23.2310,
83.8146

■ 24.2462, 16.7940,
82.8537

■ 20.3135, 12.0551,
82.1462

■ 17.6573, 8.8542,
81.6684

■ 16.1191, 7.0005,
81.3917

■ 15.4332, 6.1738,
81.2682

Harmonies

Analogous

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



64.3188, 68.5623, 91.6074



67.2107, 68.5623, 90.5804



69.6199, 68.5623, 85.1249

Triad

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



67.2107, 68.5623, 90.5804



68.7272, 68.5623, 62.8601



59.7998, 68.5623, 72.2410

Complementary

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



67.2107, 68.5623, 90.5804



77.9723, 84.1806, 75.7585

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.



60.9070, 68.5623, 65.0766



67.2107, 68.5623, 90.5804



66.0214, 68.5623, 59.9308

Square

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



67.2107, 68.5623, 90.5804



70.5134, 68.5623, 69.0068



63.1640, 68.5623, 60.7110



60.0968, 68.5623, 80.5984

Rectangle

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



67.2107, 68.5623, 90.5804



70.6002, 68.5623, 79.9187



63.1640, 68.5623, 60.7110



60.0188, 68.5623, 69.6232

Sweetspot

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



67.2127, 68.5652, 90.5819



89.8995, 93.7942, 107.9736



73.6812, 81.5960, 92.4484



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.



67.2127, 68.5652, 90.5819



75.6789, 76.6600, 105.4159



70.7191, 70.3716, 90.7458



14.8975, 15.2291, 19.8759



8.6101, 3.4444, 45.3389



0.7163, 0.2867, 3.7718

Inverse Universe

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



71.4456, 71.1268, 73.5849



81.5127, 80.1903, 81.9906



74.2029, 82.2388, 75.5823



15.7729, 15.7589, 16.3606



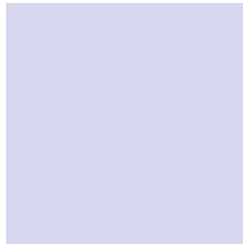
19.6716, 10.1411, 0.9213



1.6365, 0.8437, 0.0768

Previews

White Background



This preview shows how the XYZ color 67.2107, 68.5623, 90.5804 looks on a white background.

Color Contrast Check

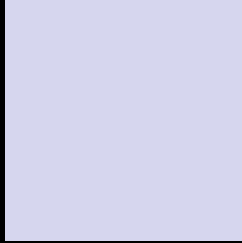
Large Text (above 18pt) WCAG AA × Fail

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 67.2107, 68.5623, 90.5804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

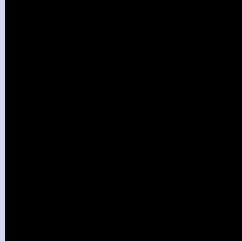
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.2107, 68.5623, 90.5804

Background



This preview shows how black text looks on a background with the XYZ color 67.2107, 68.5623, 90.5804.

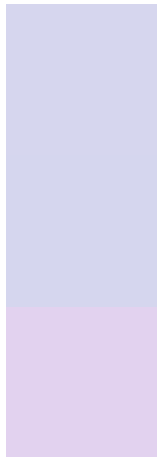


This preview shows how white text looks on a background with the XYZ color 67.2107, 68.5623,

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

67.2107, 68.5623, 90.5804

Protanopia

66.9198, 68.4123, 90.5668

Deuteranopia

69.9906, 68.4939, 91.1931



Tritanopia

66.3065, 68.5732, 86.0852

Trichromacy



Original Color

67.2107, 68.5623, 90.5804

Protanomaly

66.9198, 68.4123, 90.5668

Deuteranomaly

68.9985, 68.3501, 91.2176

Tritanomaly

66.5923, 68.6875, 87.5901

Monochromacy



Original Color

67.2107, 68.5623, 90.5804

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

66.4654, 69.1469, 81.0777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2107, 68.5623, 90.5804 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, 214, 238) looks like.

```
.text, #text, p{  
    color:rgb(214, 214, 238)  
}
```

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, 214, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 214, 238) }
```

Border

The CSS property to change the border of an element to XYZ 67.2107, 68.5623, 90.5804 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, 214, 238) }
```


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

```
.border{ border-color:rgb(214, 214, 238) }
```

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

Here you see how a box with a 4 pixel rgb(214, 214, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 214, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 214, 238);  
box-shadow:4px 4px 4px 4px rgb(214, 214,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2107, 68.5623, 90.5804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 214, 238) }
```

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

```
.background{ background-color: rgb(214,  
214, 238) }
```

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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