

Converting Colors

XYZ(35.7672, 39.4865, 67.7946)

Have a look what the booklet for
XYZ(35.7672, 39.4865, 67.7946)
contains.

XYZ(35.9218, 39.6148, 68.0405)	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(35.9218, 39.6148,
68.0405)**

Conversions

Conversions Part 1

Format	Color
Hex	80AED4
RGB	128, 174, 212
RGB Percent	50%, 68%, 83%
CMY	0.4980, 0.3176, 0.1686
CMYK	0.40, 0.18, 0.00, 0.17
HSL	207°, 49%, 67%
HSV	207°, 40%, 83%
XYZ	35.9218, 39.6148, 68.0405
YIQ	164.5780, -39.6140, 2.0660

Conversions

Conversions Part 2

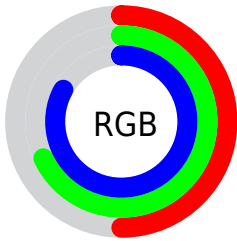
Format	Color
R_{YB}	128, 158, 212
Decimal	8433364
CIE _{Lab}	69.19, -5.72, -24.10
CIE _{LCh}	69, 24.770, 256.659
Yxy	39.6148, 0.2502, 0.2759
Android (android.graphics.Color)	4286623444 (0xFF80AED4)
YUV	164.5780, 23.3790, -32.0789
Hunter-Lab	62.9403, -8.2705, -20.0362

Details

The XYZ color **35.9218, 39.6148, 68.0405** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.6847, 42.8287, 26.3349**, and the grayscale version is **35.4686, 37.3158, 40.6369**.

A 20% lighter version of the original color is **65.5978, 73.3259, 105.3037**, and **15.8694, 17.8092, 34.4994** is the 20% darker color. If you saturate the color by 10%, you get **31.2731, 34.5661, 67.3117**, and if you desaturate by 10%, it is **41.3716, 45.2746, 68.8464**.

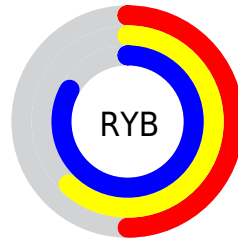
Distribution



Red (50%)

Green (68%)

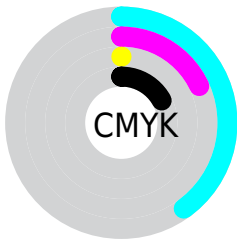
Blue (83%)



Red (50%)

Yellow (62%)

Blue (83%)

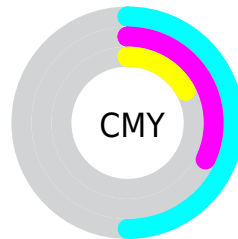


Cyan (40%)

Magenta (18%)

Yellow (0%)

Black (17%)



Cyan (50%)

Magenta (32%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9218, 39.6148, 68.0405 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 35.9218, 39.6148, 68.0405 by changing the saturation by 10% instead.

■ 35.9218, 39.6148,
68.0405

■ 35.9218, 39.6148,
68.0405

320.0558,
344.4973, 472.2415

■ 24.5436, 27.2383,
49.4638

■ 68.2360, 74.5766,
118.0648

■ 15.8643, 17.7523,
34.6193

■ 89.9028, 97.9307,
150.3496

■ 9.5184, 10.7723,
23.0886

■ 115.7298,
125.7128, 188.0407

■ 5.1406, 5.9139,
14.4530

146.0824,
158.3073, 231.5568

■ 2.3656, 2.7928,
8.2941

181.3259,
196.0987, 281.3163

■ 0.8279, 1.0245,
4.1932

221.8258,

■ 0.0000, 0.0000,

239.4712, 337.7380

1.7319

267.9473,
288.8093, 401.2401

■ 0.0000, 0.0000,
0.3825

■ 0.0000, 0.0000,
0.0000

■ 35.9218, 39.6148,
68.0405

■ 35.9218, 39.6148,
68.0405

■ 31.2731, 34.5661,
67.3117

■ 41.3716, 45.2746,
68.8464

■ 27.3770, 30.0969,
66.6544

■ 47.6594, 51.5658,
69.7294

■ 24.1854, 26.1790,
66.0664

■ 54.8244, 58.5135,
70.6928

■ 21.6424, 22.7792,
65.5442

■ 62.9022, 66.1396,
71.7390

■ 19.6822, 19.8591,
65.0839

■ 71.9260, 74.4650,
72.8703

■ 18.1926, 17.3562,
64.6793

■ 81.8524, 83.4708,
74.0855

■ 18.1405, 17.2670,
64.6648

■ 84.6191, 89.0041,
75.0077

■ 87.5352, 94.8364,
75.9797

■ 88.8838, 97.5335,
76.4292

Harmonies

Analogous

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



32.6616, 39.6148, 61.0299



35.9218, 39.6148, 68.0405



39.8795, 39.6148, 67.5983

Triad

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



35.9218, 39.6148, 68.0405



45.4341, 39.6148, 37.1757



32.3787, 39.6148, 29.8236

Complementary

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



35.9218, 39.6148, 68.0405



44.6847, 42.8287, 26.3349

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.



35.5103, 39.6148, 25.4240



35.9218, 39.6148, 68.0405



43.1279, 39.6148, 29.1304

Square

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



35.9218, 39.6148, 68.0405



45.5636, 39.6148, 48.3673



39.4383, 39.6148, 25.1947



30.7149, 39.6148, 38.2921

Rectangle

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



35.9218, 39.6148, 68.0405



42.3875, 39.6148, 63.1135



39.4383, 39.6148, 25.1947



33.2843, 39.6148, 27.8900

Sweetspot

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



35.9231, 39.6163, 68.0414



80.4165, 86.1352, 106.9951



39.3112, 54.4229, 44.4142



16.8979, 18.1331, 22.8594



0.0000, 0.0000, 0.0000



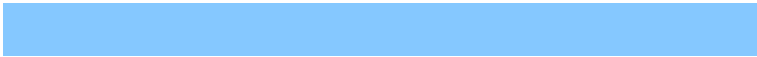
20.3446, 21.4041, 23.3091

Same Dimension

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



35.9231, 39.6163, 68.0414



48.2285, 53.3114, 102.3560



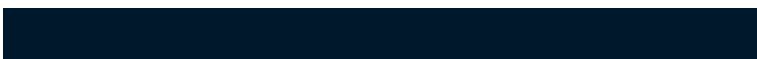
29.0653, 25.9007, 65.7555



12.3006, 13.1246, 15.8225



11.3003, 10.8624, 39.9542



0.7638, 0.8196, 2.4373

Inverse Universe

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



42.5116, 32.4926, 44.0771



59.9550, 42.0786, 59.3792



53.5556, 60.5707, 29.2919



12.7049, 12.5335, 14.3864



18.7627, 9.4414, 11.3206



1.1732, 0.5861, 0.9013

Previews

White Background



This preview shows how the XYZ color 35.9218, 39.6148, 68.0405 looks on a white background.

Color Contrast Check

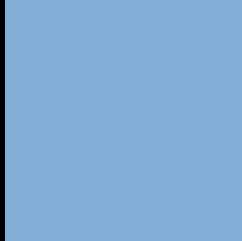
Large Text (above 18pt) WCAG AA × Fail

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 35.9218, 39.6148, 68.0405 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 35.9218, 39.6148, 68.0405

Background



This preview shows how black text looks on a background with the XYZ color 35.9218, 39.6148, 68.0405.



This preview shows how white text looks on a background with the XYZ color 35.9218, 39.6148,

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

35.9218, 39.6148, 68.0405

Protanopia

39.3793, 39.5134, 64.5828

Deuteranopia

40.2907, 39.3424, 69.0886



Tritanopia

33.6032, 39.8575, 55.7914

Trichromacy



Original Color

35.9218, 39.6148, 68.0405

Protanomaly

38.0961, 39.6488, 65.9667

Deuteranomaly

38.4073, 39.1989, 68.4927

Tritanomaly

34.4884, 39.9278, 59.9219

Monochromacy



Original Color

35.9218, 39.6148, 68.0405

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.3950, 38.0581, 49.7364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9218, 39.6148, 68.0405 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(128, 174, 212)` looks like.

```
.text, #text, p{  
    color:rgb(128, 174, 212)  
}
```

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(128, 174, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 174, 212) }
```

Border

The CSS property to change the border of an element to XYZ 35.9218, 39.6148, 68.0405 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(128, 174, 212) }
```


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

```
.border{ border-color:rgb(128, 174, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 174, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 174, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 174, 212);  
box-shadow:4px 4px 4px 4px rgb(128, 174,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9218, 39.6148, 68.0405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 174, 212) }
```

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

```
.background{ background-color: rgb(128,  
174, 212) }
```

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