

Converting Colors

XYZ(35.8758, 38.0264, 59.9653)

Have a look what the booklet for
XYZ(35.8758, 38.0264, 59.9653)
contains.

XYZ(35.9296, 38.1047, 60.1048)	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(35.9296, 38.1047,
60.1048)**

Conversions

Conversions Part 1

Format	Color
Hex	90A8C8
RGB	144, 168, 200
RGB Percent	56%, 66%, 78%
CMY	0.4353, 0.3412, 0.2157
CMYK	0.28, 0.16, 0.00, 0.22
HSL	214°, 34%, 67%
HSV	214°, 28%, 78%
XYZ	35.9296, 38.1047, 60.1048
YIQ	164.4720, -24.5760, 4.8640

Conversions

Conversions Part 2

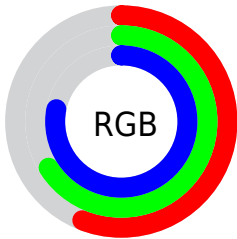
Format	Color
RYB	144, 161, 200
Decimal	9480392
CIELab	68.10, -0.96, -19.07
CIELCh	68, 19.092, 267.110
Yxy	38.1047, 0.2679, 0.2841
Android (android.graphics.Color)	4287670472 (0xFF90A8C8)
YUV	164.4720, 17.5153, -17.9539
Hunter-Lab	61.7290, -4.1292, -14.5197

Details

The XYZ color **35.9296, 38.1047, 60.1048** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.3794, 45.3441, 32.8000**, and the grayscale version is **35.4400, 37.2856, 40.6040**.

A 20% lighter version of the original color is **67.9909, 72.1375, 104.9482**, and **15.8473, 16.8414, 29.6096** is the 20% darker color. If you saturate the color by 10%, you get **30.7232, 32.4259, 59.2837**, and if you desaturate by 10%, it is **41.9426, 44.4765, 61.0184**.

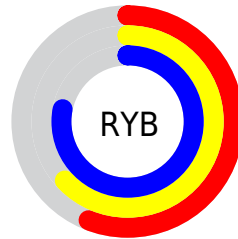
Distribution



Red (56%)

Green (66%)

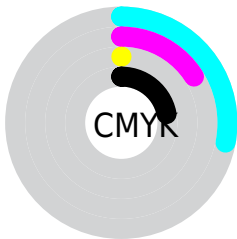
Blue (78%)



Red (56%)

Yellow (63%)

Blue (78%)

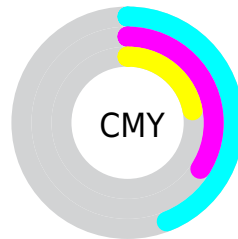


Cyan (28%)

Magenta (16%)

Yellow (0%)

Black (22%)



Cyan (44%)

Magenta (34%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9296, 38.1047, 60.1048 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 35.9296, 38.1047, 60.1048 by changing the saturation by 10% instead.

■ 35.9296, 38.1047,
60.1048

■ 35.9296, 38.1047,
60.1048

320.0893,
338.0689, 442.7993

■ 24.5497, 26.0640,
43.0773

■ 68.2480, 72.2686,
106.5265

■ 15.8688, 16.8715,
29.6139

■ 89.9171, 95.1605,
136.7578

■ 9.5216, 10.1429,
19.2961

115.7468,
122.4383, 172.2274

■ 5.1428, 5.4938,
11.7055

146.1022,
154.4864, 213.3539

■ 2.3669, 2.5398,
6.4234

181.3489,
191.6890, 260.5558

■ 0.8286, 0.8965,
3.0313

221.8520,

■ 0.0000, 0.0000,

234.4308, 314.2516

1.1106

267.9771,
283.0959, 374.8600

■ 0.0000, 0.0000,
0.0000

■ 35.9296, 38.1047,
60.1048

■ 35.9296, 38.1047,
60.1048

■ 30.7232, 32.4259,
59.2837

■ 41.9426, 44.4765,
61.0184

■ 26.2825, 27.4091,
58.5494

■ 48.7936, 51.5613,
62.0248

■ 22.5681, 23.0277,
57.8995

■ 56.5163, 59.3843,
63.1278

■ 19.5352, 19.2508,
57.3303

■ 65.1417, 67.9676,
64.3299

■ 17.1337, 16.0446,
56.8381

■ 74.6991, 77.3324,
65.6338

■ 15.3053, 13.3706,
56.4183

■ 81.8260, 85.7513,
66.8832

■ 13.9658, 11.1764,
56.0654

■ 85.2331, 92.5654,
68.0188

■ 13.7308, 10.7810,
56.0014

■ 87.4254, 96.9502,
68.7496

Harmonies

Analogous

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



33.1978, 38.1047, 56.8295



35.9296, 38.1047, 60.1048



38.8883, 38.1047, 57.8548

Triad

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



35.9296, 38.1047, 60.1048



41.5538, 38.1047, 34.4602



31.6214, 38.1047, 33.2109

Complementary

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



35.9296, 38.1047, 60.1048



44.3794, 45.3441, 32.8000

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.



33.6717, 38.1047, 28.5440



35.9296, 38.1047, 60.1048



39.4147, 38.1047, 29.1929

Square

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



35.9296, 38.1047, 60.1048



42.2386, 38.1047, 42.3214



36.5067, 38.1047, 27.1794



30.7974, 38.1047, 40.6687

Rectangle

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



35.9296, 38.1047, 60.1048



40.5740, 38.1047, 53.6734



36.5067, 38.1047, 27.1794



32.1843, 38.1047, 31.3049

Sweetspot

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



35.9308, 38.1062, 60.1057



84.3325, 89.1210, 107.3650



39.9669, 50.3627, 48.5515



17.6431, 18.6579, 22.9214



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.



35.9308, 38.1062, 60.1057



56.2037, 59.4604, 103.1225



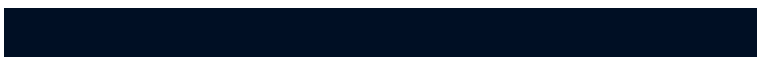
32.5642, 30.3889, 58.7935



10.4242, 11.0225, 13.4956



8.8156, 7.0251, 35.6357



0.4890, 0.4758, 1.7112

Inverse Universe

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



40.8616, 35.0542, 41.6599



66.3730, 53.8061, 64.9359



48.5235, 55.0944, 34.4636



10.8194, 10.7111, 12.0322



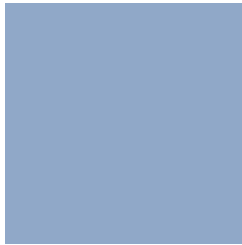
16.2490, 8.2492, 6.5213



0.8055, 0.4050, 0.4990

Previews

White Background



This preview shows how the XYZ color 35.9296, 38.1047, 60.1048 looks on a white background.

Color Contrast Check

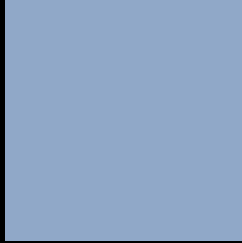
Large Text (above 18pt) WCAG AA × Fail

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 35.9296, 38.1047, 60.1048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

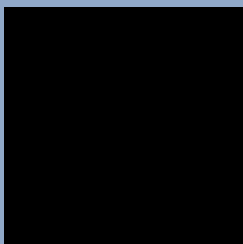
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

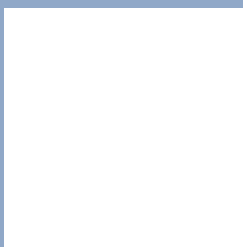
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9296, 38.1047, 60.1048

Background



This preview shows how black text looks on a background with the XYZ color 35.9296, 38.1047, 60.1048.



This preview shows how white text looks on a background with the XYZ color 35.9296, 38.1047,

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

35.9296, 38.1047, 60.1048

Protanopia

37.6516, 37.9531, 58.1645

Deuteranopia

38.7728, 37.9502, 60.5399



Tritanopia

34.1991, 38.2492, 50.9278

Trichromacy



Original Color

35.9296, 38.1047, 60.1048

Protanomaly

36.9746, 37.8575, 58.7845

Deuteranomaly

37.7227, 37.9361, 60.5925

Tritanomaly

34.8243, 38.2179, 54.2566

Monochromacy



Original Color

35.9296, 38.1047, 60.1048

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.2956, 37.2527, 46.9252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9296, 38.1047, 60.1048 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(144, 168, 200)` looks like.

```
.text, #text, p{  
    color:rgb(144, 168, 200)  
}
```

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(144, 168, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 168, 200) }
```

Border

The CSS property to change the border of an element to XYZ 35.9296, 38.1047, 60.1048 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(144, 168, 200) }
```


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

```
.border{ border-color:rgb(144, 168, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 168, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 168, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 168, 200);  
box-shadow:4px 4px 4px 4px rgb(144, 168,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9296, 38.1047, 60.1048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 168, 200) }
```

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

```
.background{ background-color: rgb(144,  
168, 200) }
```

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