

Converting Colors

XYZ(34.2760, 38.3176, 64.6224)

Have a look what the booklet for
XYZ(34.2760, 38.3176, 64.6224)
contains.

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Color

**XYZ(34.1834, 38.2210,
64.6072)**

Conversions

Conversions Part 1

Format	Color
Hex	7BACCF
RGB	123, 172, 207
RGB Percent	48%, 67%, 81%
CMY	0.5176, 0.3255, 0.1882
CMYK	0.41, 0.17, 0.00, 0.19
HSL	205°, 47%, 65%
HSV	205°, 41%, 81%
XYZ	34.1834, 38.2210, 64.6072
YIQ	161.3390, -40.4390, 0.4970

Conversions

Conversions Part 2

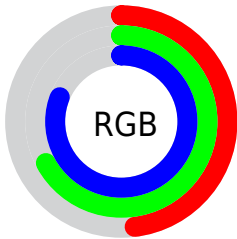
Format	Color
R _Y B	123, 154, 207
Decimal	8105167
CIE Lab	68.18, -7.29, -22.92
CIE LCh	68, 24.049, 252.366
Yxy	38.2210, 0.2495, 0.2790
Android (android.graphics.Color)	4286295247 (0xFF7BACCF)
YUV	161.3390, 22.5109, -33.6233
Hunter-Lab	61.8231, -9.4938, -18.6838

Details

The XYZ color **34.1834, 38.2210, 64.6072** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **41.5350, 39.1501, 24.1077**, and the grayscale version is **33.9470, 35.7148, 38.8935**.

A 20% lighter version of the original color is **63.8792, 71.6231, 105.0656**, and **14.9205, 16.9981, 32.6316** is the 20% darker color. If you saturate the color by 10%, you get **29.9410, 33.6765, 63.9543**, and if you desaturate by 10%, it is **39.1609, 43.3043, 65.3267**.

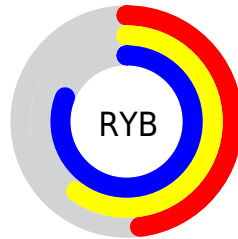
Distribution



Red (48%)

Green (67%)

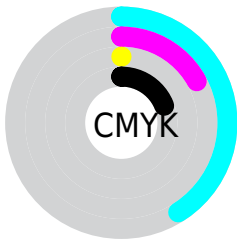
Blue (81%)



Red (48%)

Yellow (60%)

Blue (81%)

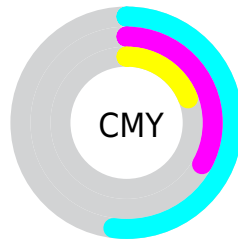


Cyan (41%)

Magenta (17%)

Yellow (0%)

Black (19%)



Cyan (52%)

Magenta (33%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1834, 38.2210, 64.6072 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 34.1834, 38.2210, 64.6072 by changing the saturation by 10% instead.

■ 34.1834, 38.2210,
64.6072

■ 34.1834, 38.2210,
64.6072

312.5206,
338.5671, 459.6466

■ 23.1981, 26.1543,
46.6933

■ 65.5612, 72.4467,
113.0928

■ 14.8613, 16.9391,
32.4407

■ 86.6843, 95.3745,
144.5016

■ 8.8078, 10.1911,
21.4307

■ 111.9175,
122.6915, 181.2458

■ 4.6721, 5.5258,
13.2449

141.6260,
154.7819, 223.7439

■ 2.0890, 2.5590,
7.4647

176.1752,
192.0303, 272.4145

■ 0.6832, 0.9061,
3.6716

215.9305,

■ 0.0000, 0.0000,

234.8211, 327.6762

1.4469

261.2571,
283.5385, 389.9473

■ 0.0000, 0.0000,
0.1779

■ 0.0000, 0.0000,
0.0000

■ 34.1834, 38.2210,
64.6072

■ 34.1834, 38.2210,
64.6072

■ 29.9410, 33.6765,
63.9543

■ 39.1609, 43.3043,
65.3267

■ 26.3882, 29.6418,
63.3628

■ 44.9080, 48.9446,
66.1125

■ 23.4798, 26.0915,
62.8308

■ 51.4614, 55.1645,
66.9677

■ 21.1630, 22.9951,
62.3552

■ 58.8543, 61.9837,
67.8943

■ 19.3754, 20.3172,
61.9326

■ 67.1179, 69.4211,
68.8943

■ 18.0700, 18.1197,
61.5772

■ 76.2816, 77.4945,
69.9696

■ 81.4654, 83.6907,
70.8924

■ 83.9584, 88.6767,
71.7234

■ 86.5723, 93.9044,
72.5947

Harmonies

Analogous

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



31.2482, 38.2210, 57.1701



34.1834, 38.2210, 64.6072



37.8968, 38.2210, 65.2693

Triad

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



34.1834, 38.2210, 64.6072



43.8500, 38.2210, 37.3415



31.6747, 38.2210, 28.1267

Complementary

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



34.1834, 38.2210, 64.6072



41.5350, 39.1501, 24.1077

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.



34.8029, 38.2210, 24.5037



34.1834, 38.2210, 64.6072



41.9303, 38.2210, 29.1750

Square

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



34.1834, 38.2210, 64.6072



43.6555, 38.2210, 48.2027



38.5603, 38.2210, 24.8511



29.8699, 38.2210, 35.6588

Rectangle

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



34.1834, 38.2210, 64.6072



40.3334, 38.2210, 61.6482



38.5603, 38.2210, 24.8511



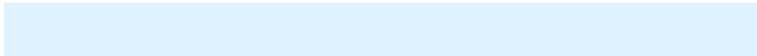
32.5968, 38.2210, 26.4748

Sweetspot

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



34.1846, 38.2225, 64.6081



80.7413, 86.7846, 107.1033



36.5339, 51.2582, 39.6890



16.9744, 18.2860, 22.8849



0.0000, 0.0000, 0.0000



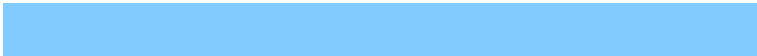
20.3446, 21.4041, 23.3091

Same Dimension

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



34.1846, 38.2225, 64.6081



48.6051, 54.6527, 102.5950



27.6021, 25.0575, 62.4139



11.7284, 12.5470, 15.0473



11.4801, 11.6068, 38.8278



0.7193, 0.8038, 2.1968

Inverse Universe

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



40.2625, 30.4111, 42.7791



60.0015, 41.5474, 61.3186



49.6396, 55.3593, 26.8093



12.0938, 11.9223, 13.7697



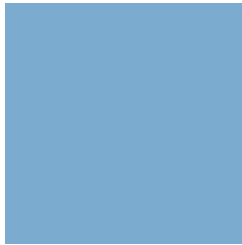
18.4254, 9.2430, 12.4120



1.0693, 0.5324, 0.8997

Previews

White Background



This preview shows how the XYZ color 34.1834, 38.2210, 64.6072 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 34.1834, 38.2210, 64.6072 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 34.1834, 38.2210, 64.6072

Background



This preview shows how black text looks on a background with the XYZ color 34.1834, 38.2210, 64.6072.



This preview shows how white text looks on a background with the XYZ color 34.1834, 38.2210,

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

34.1834, 38.2210, 64.6072

Protanopia

37.7227, 37.9361, 60.5925

Deuteranopia

38.7270, 37.8150, 65.5795



Tritanopia

31.9865, 38.1856, 53.8288

Trichromacy



Original Color

34.1834, 38.2210, 64.6072

Protanomaly

36.2753, 37.9690, 61.9167

Deuteranomaly

36.8754, 37.9375, 65.0536

Tritanomaly

32.8456, 38.2507, 57.8765

Monochromacy



Original Color

34.1834, 38.2210, 64.6072

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.5236, 36.3277, 47.3645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1834, 38.2210, 64.6072 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(123, 172, 207)` looks like.

```
.text, #text, p{  
    color:rgb(123, 172, 207)  
}
```

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(123, 172, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 172, 207) }
```

Border

The CSS property to change the border of an element to XYZ 34.1834, 38.2210, 64.6072 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(123, 172, 207) }
```


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

```
.border{ border-color:rgb(123, 172, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 172, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 172, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 172, 207);  
box-shadow:4px 4px 4px 4px rgb(123, 172,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1834, 38.2210, 64.6072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 172, 207) }
```

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

```
.background{ background-color: rgb(123,  
172, 207) }
```

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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