

Converting Colors

XYZ(34.4205, 38.6549, 63.4046)

Have a look what the booklet for
XYZ(34.4205, 38.6549, 63.4046)
contains.

XYZ(34.4205, 38.6549, 63.4046)	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(34.4205, 38.6549,
63.4046)**

Conversions

Conversions Part 1

Format	Color
Hex	7DADCD
RGB	125, 173, 205
RGB Percent	49%, 68%, 80%
CMY	0.5098, 0.3216, 0.1961
CMYK	0.39, 0.16, 0.00, 0.20
HSL	204°, 44%, 65%
HSV	204°, 39%, 80%
XYZ	34.4205, 38.6549, 63.4046
YIQ	162.2960, -38.8800, -0.2240

Conversions

Conversions Part 2

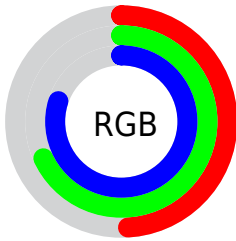
Format	Color
RYB	125, 155, 205
Decimal	8236493
CIELab	68.50, -7.83, -21.32
CIElCh	69, 22.716, 249.828
Yxy	38.6549, 0.2522, 0.2832
Android (android.graphics.Color)	4286426573 (0xFF7DADCD)
YUV	162.2960, 21.0531, -32.7086
Hunter-Lab	62.1731, -9.9810, -16.9433

Details

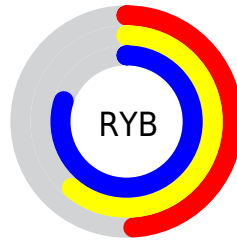
The XYZ color **34.4205, 38.6549, 63.4046** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **40.9363, 38.5746, 24.6914**, and the grayscale version is **34.3999, 36.1913, 39.4124**.

A 20% lighter version of the original color is **64.6158, 72.4101, 105.1787**, and **15.0218, 17.2487, 31.8158** is the 20% darker color. If you saturate the color by 10%, you get **30.2068, 34.2204, 62.7714**, and if you desaturate by 10%, it is **39.3508, 43.6038, 64.1007**.

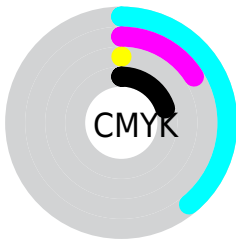
Distribution



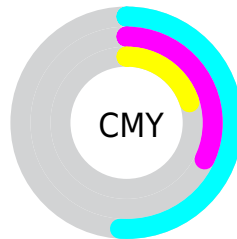
- Red (49%)
- Green (68%)
- Blue (80%)



- Red (49%)
- Yellow (61%)
- Blue (80%)



- Cyan (39%)
- Magenta (16%)
- Yellow (0%)
- Black (20%)



- Cyan (51%)
- Magenta (32%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4205, 38.6549, 63.4046 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 34.4205, 38.6549, 63.4046 by changing the saturation by 10% instead.

■ 34.4205, 38.6549,
63.4046

■ 34.4205, 38.6549,
63.4046

313.5560,
340.4210, 455.1847

■ 23.3812, 26.4914,
45.7255

■ 65.9270, 73.1108,
111.3442

■ 14.9975, 17.1916,
31.6822

■ 87.1250, 96.1720,
142.4418

■ 8.9039, 10.3712,
20.8560

■ 112.4399,
123.6345, 178.8494

■ 4.7352, 5.6458,
12.8286

142.2371,
155.8828, 220.9853

■ 2.1259, 2.6309,
7.1813

176.8819,
193.3012, 269.2683

■ 0.7032, 0.9422,
3.4956

216.7398,

■ 0.0000, 0.0000,

236.2741, 324.1169

1.3529

262.1761,
285.1859, 385.9495

■ 0.0000, 0.0000,
0.1046

■ 0.0000, 0.0000,
0.0000

■ 34.4205, 38.6549,
63.4046

■ 34.4205, 38.6549,
63.4046

■ 30.2068, 34.2204,
62.7714

■ 39.3508, 43.6038,
64.1007

■ 26.6660, 30.2728,
62.1961

■ 45.0306, 49.0839,
64.8591

■ 23.7551, 26.7879,
61.6768

■ 51.4953, 55.1169,
65.6828

■ 21.4239, 23.7373,
61.2109

■ 58.7766, 61.7213,
66.5738

■ 19.6134, 21.0878,
60.7949

■ 66.9046, 68.9151,
67.5340

■ 18.2278, 18.7870,
60.4238

■ 75.9075, 76.7150,
68.5650

■ 18.1029, 18.5744,
60.3894

■ 80.6683, 82.4854,
69.4279

■ 83.0096, 87.1678,
70.2083

■ 85.4597, 92.0680,
71.0250

Harmonies

Analogous

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



31.7100, 38.6549, 55.9991



34.4205, 38.6549, 63.4046



37.9263, 38.6549, 64.6194

Triad

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



34.4205, 38.6549, 63.4046



43.9383, 38.6549, 38.8167



32.5110, 38.6549, 28.7077

Complementary

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



34.4205, 38.6549, 63.4046



40.9363, 38.5746, 24.6914

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.



35.5794, 38.6549, 25.5180



34.4205, 38.6549, 63.4046



42.2763, 38.6549, 30.6966

Square

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



34.4205, 38.6549, 63.4046



43.5779, 38.6549, 49.2489



39.1621, 38.6549, 26.1817



30.6582, 38.6549, 35.6583

Rectangle

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



34.4205, 38.6549, 63.4046



40.2667, 38.6549, 61.5818



39.1621, 38.6549, 26.1817



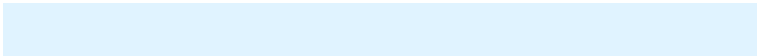
33.4261, 38.6549, 27.2157

Sweetspot

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



34.4217, 38.6564, 63.4055



80.8935, 87.0891, 107.1541



36.2624, 50.4125, 39.1253



17.0103, 18.3577, 22.8968



0.0000, 0.0000, 0.0000



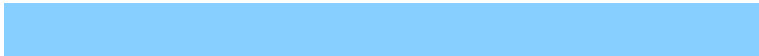
20.3446, 21.4041, 23.3091

Same Dimension

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



34.4217, 38.6564, 63.4055



50.3935, 57.0387, 102.9613



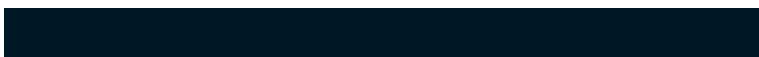
28.0493, 25.9116, 61.2814



11.1522, 11.9448, 14.2882



11.3648, 11.7535, 37.6259



0.6593, 0.7524, 1.9654

Inverse Universe

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



40.0544, 30.6647, 43.3445



61.1949, 43.1378, 64.1719



48.5442, 53.7903, 27.2273



11.4902, 11.3248, 13.1158



17.9473, 8.9895, 12.7072



0.9627, 0.4785, 0.8496

Previews

White Background



This preview shows how the XYZ color 34.4205, 38.6549, 63.4046 looks on a white background.

Color Contrast Check

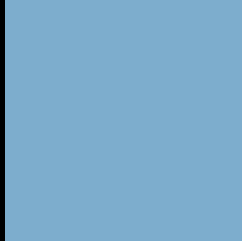
Large Text (above 18pt) WCAG AA × Fail

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 34.4205, 38.6549, 63.4046 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 34.4205, 38.6549, 63.4046

Background



This preview shows how black text looks on a background with the XYZ color 34.4205, 38.6549, 63.4046.



This preview shows how white text looks on a background with the XYZ color 34.4205, 38.6549,

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

34.4205, 38.6549, 63.4046

Protanopia

38.0620, 38.4047, 59.4396

Deuteranopia

39.2600, 38.3808, 64.3705



Tritanopia

32.7048, 38.8333, 54.4871

Trichromacy



Original Color

34.4205, 38.6549, 63.4046

Protanomaly

36.5779, 38.4254, 60.7473

Deuteranomaly

37.3537, 38.4832, 63.8518

Tritanomaly

33.2063, 38.7377, 57.3567

Monochromacy



Original Color

34.4205, 38.6549, 63.4046

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.0665, 36.8764, 47.4418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4205, 38.6549, 63.4046 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(125, 173, 205)` looks like.

```
.text, #text, p{  
    color:rgb(125, 173, 205)  
}
```

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(125, 173, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 173, 205) }
```

Border

The CSS property to change the border of an element to XYZ 34.4205, 38.6549, 63.4046 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(125, 173, 205) }
```


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

```
.border{ border-color:rgb(125, 173, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 173, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 173, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 173, 205);  
box-shadow:4px 4px 4px 4px rgb(125, 173,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4205, 38.6549, 63.4046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 173, 205) }
```

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

```
.background{ background-color: rgb(125,  
173, 205) }
```

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