

Converting Colors

XYZ(36.4731, 37.9858, 62.9381)

Have a look what the booklet for
XYZ(36.4731, 37.9858, 62.9381)
contains.

XYZ(36.5152, 38.0650, 63.1803)	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(36.5152, 38.0650,
63.1803)**

Conversions

Conversions Part 1

Format	Color
Hex	91A7CD
RGB	145, 167, 205
RGB Percent	57%, 65%, 80%
CMY	0.4314, 0.3451, 0.1961
CMYK	0.29, 0.19, 0.00, 0.20
HSL	218°, 37%, 69%
HSV	218°, 29%, 80%
XYZ	36.5152, 38.0650, 63.1803
YIQ	164.7540, -25.3100, 7.1540

Conversions

Conversions Part 2

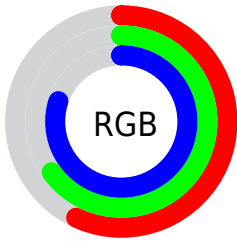
Format	Color
RYB	145, 161, 205
Decimal	9545677
CIELab	68.07, 1.12, -21.87
CIELCh	68, 21.899, 272.923
Yxy	38.0650, 0.2651, 0.2763
Android (android.graphics.Color)	4287735757 (0xFF91A7CD)
YUV	164.7540, 19.8413, -17.3243
Hunter-Lab	61.6968, -2.3245, -17.5278

Details

The XYZ color **36.5152, 38.0650, 63.1803** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.2216, 48.8907, 33.7371**, and the grayscale version is **35.5641, 37.4162, 40.7462**.

A 20% lighter version of the original color is **67.9907, 71.7419, 104.8718**, and **16.2308, 16.8230, 31.6699** is the 20% darker color. If you saturate the color by 10%, you get **30.9635, 31.8485, 62.2736**, and if you desaturate by 10%, it is **42.9599, 45.0982, 64.1988**.

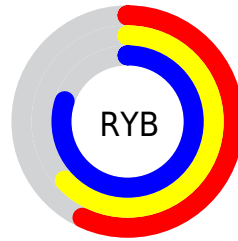
Distribution



Red (57%)

Green (65%)

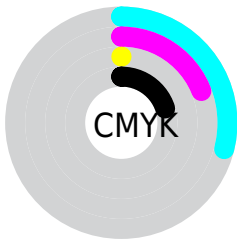
Blue (80%)



Red (57%)

Yellow (63%)

Blue (80%)

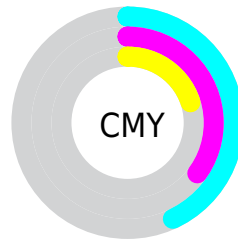


Cyan (29%)

Magenta (19%)

Yellow (0%)

Black (20%)



Cyan (43%)

Magenta (35%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5152, 38.0650, 63.1803 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 36.5152, 38.0650, 63.1803 by changing the saturation by 10% instead.

■ 36.5152, 38.0650,
63.1803

■ 36.5152, 38.0650,
63.1803

322.5989,
337.8987, 454.3495

■ 25.0043, 26.0331,
45.5451

■ 69.1452, 72.2078,
111.0177

■ 16.2090, 16.8484,
31.5410

■ 90.9950, 95.0874,
142.0570

■ 9.7640, 10.1265,
20.7492

117.0219,
122.3519, 178.4014

■ 5.3038, 5.4829,
12.7514

147.5911,
154.3854, 220.4695

■ 2.4632, 2.5333,
7.1288

183.0681,
191.5725, 268.6798

■ 0.8767, 0.8932,
3.4631

223.8181,

■ 0.0000, 0.0000,

234.2974, 323.4509

1.3357

270.2066,
282.9447, 385.2013

■ 0.0000, 0.0000,
0.0908

■ 0.0000, 0.0000,
0.0000

■ 36.5152, 38.0650,
63.1803

■ 36.5152, 38.0650,
63.1803

■ 30.9635, 31.8485,
62.2736

■ 42.9599, 45.0982,
64.1988

■ 26.2592, 26.4119,
61.4722

■ 50.3331, 52.9736,
65.3303

■ 22.3577, 21.7224,
60.7727

■ 58.6728, 61.7213,
66.5792

■ 19.2085, 17.7426,
60.1705

■ 68.0136, 71.3683,
67.9490

■ 16.7552, 14.4310,
59.6606

■ 78.3885, 81.9405,
69.4428

■ 14.9317, 11.7409,
59.2375

■ 84.8819, 90.9126,
70.8324

■ 13.6313, 9.6034,
58.8934

■ 88.0196, 97.1878,
71.8782

■ 13.5473, 9.4634,
58.8708

Harmonies

Analogous

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



33.2753, 38.0650, 60.5237



36.5152, 38.0650, 63.1803



39.8631, 38.0650, 59.2989

Triad

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



36.5152, 38.0650, 63.1803



41.9695, 38.0650, 32.0516



30.6479, 38.0650, 33.4701

Complementary

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



36.5152, 38.0650, 63.1803



47.2216, 48.8907, 33.7371

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.



32.7304, 38.0650, 27.5931



36.5152, 38.0650, 63.1803



39.2482, 38.0650, 26.8691

Square

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



36.5152, 38.0650, 63.1803



43.1337, 38.0650, 40.4956



35.8461, 38.0650, 25.3738



30.0163, 38.0650, 42.4118

Rectangle

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



36.5152, 38.0650, 63.1803



41.6692, 38.0650, 53.8345



35.8461, 38.0650, 25.3738



31.1947, 38.0650, 31.1212

Sweetspot

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



36.5164, 38.0665, 63.1812



82.6423, 86.9788, 107.0406



41.9527, 53.0605, 52.2874



17.2862, 18.1905, 22.8500



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.



36.5164, 38.0665, 63.1812



54.0269, 55.9067, 102.5513



34.0947, 31.3350, 62.0095



10.9330, 11.5064, 14.2151



8.5170, 6.0580, 36.6767



0.5113, 0.4563, 1.9161

Inverse Universe

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



42.2783, 36.0210, 41.2853



65.0790, 52.5409, 60.4266



50.2316, 57.7134, 35.2814



11.3795, 11.2805, 12.5333



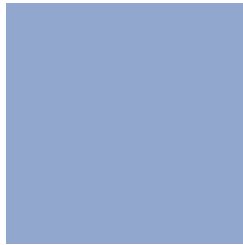
16.5099, 8.4145, 5.1378



0.8880, 0.4486, 0.4562

Previews

White Background



This preview shows how the XYZ color 36.5152, 38.0650, 63.1803 looks on a white background.

Color Contrast Check

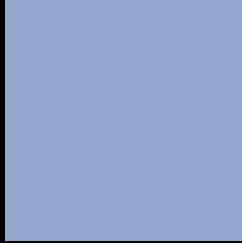
Large Text (above 18pt) WCAG AA × Fail

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 36.5152, 38.0650, 63.1803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

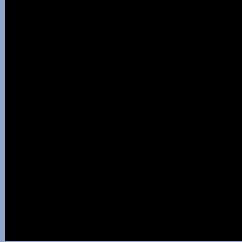
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.5152, 38.0650, 63.1803

Background



This preview shows how black text looks on a background with the XYZ color 36.5152, 38.0650, 63.1803.



This preview shows how white text looks on a background with the XYZ color 36.5152, 38.0650,

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

36.5152, 38.0650, 63.1803

Protanopia

37.9596, 38.0308, 61.8399

Deuteranopia

38.7589, 37.8740, 63.6601



Tritanopia

34.1991, 38.2492, 50.9278

Trichromacy



Original Color

36.5152, 38.0650, 63.1803

Protanomaly

37.4911, 38.0422, 62.4936

Deuteranomaly

37.9336, 37.9757, 63.7232

Tritanomaly

35.0445, 38.3060, 55.4159

Monochromacy



Original Color

36.5152, 38.0650, 63.1803

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.9750, 37.8368, 48.5872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5152, 38.0650, 63.1803 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(145, 167, 205)` looks like.

```
.text, #text, p{  
    color:rgb(145, 167, 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(145, 167, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 167, 205) }
```

Border

The CSS property to change the border of an element to XYZ 36.5152, 38.0650, 63.1803 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(145, 167, 205) }
```


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

```
.border{ border-color:rgb(145, 167, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 167, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 167, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 167, 205);  
box-shadow:4px 4px 4px 4px rgb(145, 167,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5152, 38.0650, 63.1803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 167, 205) }
```

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

```
.background{ background-color: rgb(145,  
167, 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