

Converting Colors

XYZ(35.5560, 38.0565, 57.4863)

Have a look what the booklet for
XYZ(35.5560, 38.0565, 57.4863)
contains.

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Color

**XYZ(35.4680, 37.9201,
57.6745)**

Conversions

Conversions Part 1

Format	Color
Hex	90A8C4
RGB	144, 168, 196
RGB Percent	56%, 66%, 77%
CMY	0.4353, 0.3412, 0.2314
CMYK	0.27, 0.14, 0.00, 0.23
HSL	212°, 31%, 67%
HSV	212°, 27%, 77%
XYZ	35.4680, 37.9201, 57.6745
YIQ	164.0160, -23.2920, 3.6200

Conversions

Conversions Part 2

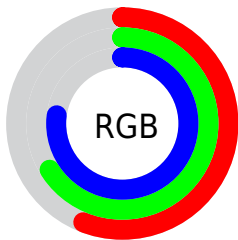
Format	Color
RYB	144, 160, 196
Decimal	9480388
CIELab	67.96, -1.93, -17.06
CIELCh	68, 17.170, 263.542
Yxy	37.9201, 0.2706, 0.2893
Android (android.graphics.Color)	4287670468 (0xFF90A8C4)
YUV	164.0160, 15.7681, -17.5540
Hunter-Lab	61.5793, -4.9526, -12.4249

Details

The XYZ color **35.4680, 37.9201, 57.6745** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **42.5519, 43.2545, 32.4926**, and the grayscale version is **35.2304, 37.0652, 40.3640**.

A 20% lighter version of the original color is **67.6705, 72.0093, 103.2611**, and **15.5415, 16.7191, 27.9992** is the 20% darker color. If you saturate the color by 10%, you get **30.4676, 32.5673, 56.9055**, and if you desaturate by 10%, it is **41.2232, 43.8986, 58.5258**.

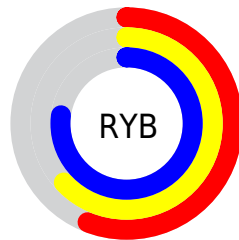
Distribution



Red (56%)

Green (66%)

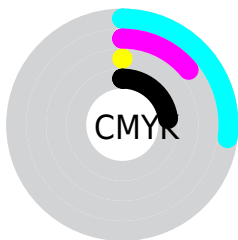
Blue (77%)



Red (56%)

Yellow (63%)

Blue (77%)

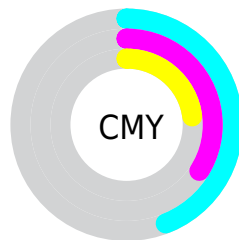


Cyan (27%)

Magenta (14%)

Yellow (0%)

Black (23%)



Cyan (44%)

Magenta (34%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4680, 37.9201, 57.6745 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 35.4680, 37.9201, 57.6745 by changing the saturation by 10% instead.

■ 35.4680, 37.9201,
57.6745

■ 35.4680, 37.9201,
57.6745

318.1012,
337.2771, 433.5363

■ 24.1918, 25.9207,
41.1341

■ 67.5394, 71.9857,
102.9588

■ 15.6015, 16.7643,
28.1034

■ 89.0653, 94.8206,
132.5397

■ 9.3316, 10.0666,
18.1639

114.7385,
122.0361, 167.3046

■ 5.0170, 5.4431,
10.8970

144.9244,
154.0167, 207.6718

■ 2.2921, 2.5095,
5.8843

179.9882,
191.1467, 254.0601

■ 0.7906, 0.8814,
2.7072

220.2954,

■ 0.0000, 0.0000,

233.8105, 306.8879

0.9471

266.2113,
282.3925, 366.5738

■ 0.0000, 0.0000,
0.0000

■ 35.4680, 37.9201,
57.6745

■ 35.4680, 37.9201,
57.6745

■ 30.4676, 32.5673,
56.9055

■ 41.2232, 43.8986,
58.5258

■ 26.1841, 27.8123,
56.2135

■ 47.7618, 50.5202,
59.4592

■ 22.5813, 23.6317,
55.5964

■ 55.1151, 57.8070,
60.4782

■ 19.6181, 19.9983,
55.0513

■ 63.3116, 65.7789,
61.5849

■ 17.2486, 16.8822,
54.5747

■ 72.3784, 74.4545,
62.7816

■ 15.4197, 14.2495,
54.1629

■ 79.8702, 82.5782,
63.9548

■ 14.0634, 12.0582,
53.8114

■ 82.9191, 88.6759,
64.9711

■ 13.6598, 11.3773,
53.7013

■ 86.1492, 95.1361,
66.0478

■ 86.9639, 96.7656,
66.3193

Harmonies

Analogous

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



33.0788, 37.9201, 54.2675



35.4680, 37.9201, 57.6745



38.1299, 37.9201, 56.2745

Triad

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



35.4680, 37.9201, 57.6745



40.9522, 37.9201, 35.6942



32.0715, 37.9201, 33.1593

Complementary

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



35.4680, 37.9201, 57.6745



42.5519, 43.2545, 32.4926

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.



34.0316, 37.9201, 29.2315



35.4680, 37.9201, 57.6745



39.1769, 37.9201, 30.5639

Square

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



35.4680, 37.9201, 57.6745



41.3832, 37.9201, 42.9631



36.6220, 37.9201, 28.3434



31.1812, 37.9201, 39.6580

Rectangle

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



35.4680, 37.9201, 57.6745



39.6925, 37.9201, 52.8796



36.6220, 37.9201, 28.3434



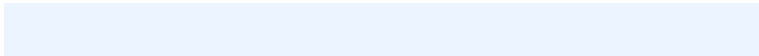
32.6224, 37.9201, 31.5286

Sweetspot

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



35.4692, 37.9216, 57.6754



84.5346, 89.5252, 107.4324



38.6631, 48.3782, 46.1965



17.6939, 18.7595, 22.9383



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.



35.4692, 37.9216, 57.6754



58.6825, 62.7705, 103.6308



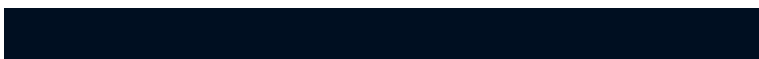
31.7446, 30.0195, 56.3464



9.9028, 10.4970, 12.7890



8.8611, 7.4788, 34.5331



0.4517, 0.4609, 1.5150

Inverse Universe

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



39.8070, 34.5103, 41.6106



68.0264, 56.0072, 68.8955



47.0913, 52.9988, 34.1342



10.2623, 10.1535, 11.4716



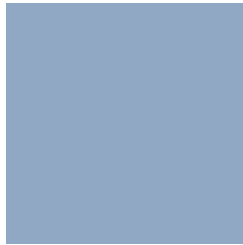
15.8687, 8.0372, 7.2204



0.7204, 0.3612, 0.4950

Previews

White Background



This preview shows how the XYZ color 35.4680, 37.9201, 57.6745 looks on a white background.

Color Contrast Check

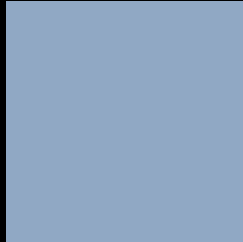
Large Text (above 18pt) WCAG AA × Fail

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 35.4680, 37.9201, 57.6745 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

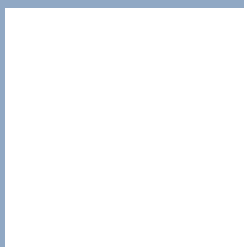
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.4680, 37.9201, 57.6745

Background



This preview shows how black text looks on a background with the XYZ color 35.4680, 37.9201, 57.6745.



This preview shows how white text looks on a background with the XYZ color 35.4680, 37.9201,

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

35.4680, 37.9201, 57.6745

Protanopia

37.3983, 37.8748, 55.7915

Deuteranopia

38.7243, 37.9789, 58.1130



Tritanopia

34.0110, 37.8729, 50.8650

Trichromacy



Original Color

35.4680, 37.9201, 57.6745

Protanomaly

36.5192, 37.6753, 56.3862

Deuteranomaly

37.4541, 37.8512, 58.1553

Tritanomaly

34.4204, 37.7576, 53.0507

Monochromacy



Original Color

35.4680, 37.9201, 57.6745

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.1962, 37.2130, 46.4021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4680, 37.9201, 57.6745 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(144, 168, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 168, 196) }
```

Border

The CSS property to change the border of an element to XYZ 35.4680, 37.9201, 57.6745 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, 196) }
```


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

```
.border{ border-color:rgb(144, 168, 196) }
```

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, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 168, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 168, 196);  
box-shadow:4px 4px 4px 4px rgb(144, 168,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4680, 37.9201, 57.6745 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, 196) }
```

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

```
.background{ background-color: rgb(144,  
168, 196) }
```

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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