

Converting Colors

XYZ(34.6870, 38.8293, 62.7935)

Have a look what the booklet for
XYZ(34.6870, 38.8293, 62.7935)
contains.

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Color

**XYZ(34.7447, 38.8360,
62.7916)**

Conversions

Conversions Part 1

Format	Color
Hex	80ADCC
RGB	128, 173, 204
RGB Percent	50%, 68%, 80%
CMY	0.4980, 0.3216, 0.2000
CMYK	0.37, 0.15, 0.00, 0.20
HSL	204°, 43%, 65%
HSV	204°, 37%, 80%
XYZ	34.7447, 38.8360, 62.7916
YIQ	163.0790, -36.7710, 0.1010

Conversions

Conversions Part 2

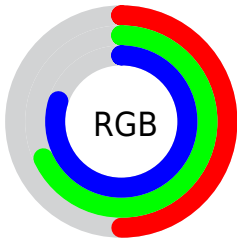
Format	Color
R _{YB}	128, 156, 204
Decimal	8433100
CIE Lab	68.63, -7.29, -20.56
CIE LCh	69, 21.808, 250.484
Yxy	38.8360, 0.2548, 0.2848
Android (android.graphics.Color)	4286623180 (0xFF80ADCC)
YUV	163.0790, 20.1741, -30.7643
Hunter-Lab	62.3185, -9.5376, -16.1171

Details

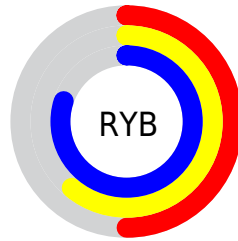
The XYZ color **34.7447, 38.8360, 62.7916** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **41.1968, 39.1926, 25.8167**, and the grayscale version is **34.7712, 36.5820, 39.8378**.

A 20% lighter version of the original color is **65.3218, 72.7741, 105.2117**, and **15.2440, 17.3726, 31.4040** is the 20% darker color. If you saturate the color by 10%, you get **30.4333, 34.3189, 62.1476**, and if you desaturate by 10%, it is **39.7748, 43.8729, 63.4994**.

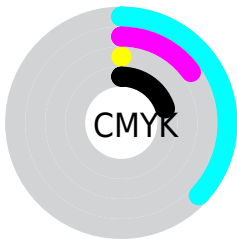
Distribution



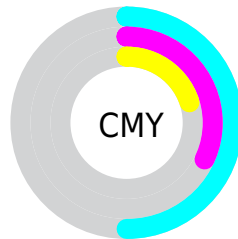
- Red (50%)
- Green (68%)
- Blue (80%)



- Red (50%)
- Yellow (61%)
- Blue (80%)



- Cyan (37%)
- Magenta (15%)
- Yellow (0%)
- Black (20%)



- Cyan (50%)
- Magenta (32%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7447, 38.8360, 62.7916 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 34.7447, 38.8360, 62.7916 by changing the saturation by 10% instead.

■ 34.7447, 38.8360,
62.7916

■ 34.7447, 38.8360,
62.7916

314.9678,
341.1927, 452.8999

■ 23.6319, 26.6322,
45.2327

■ 66.4267, 73.3877,
110.4515

■ 15.1840, 17.2972,
31.2965

■ 87.7266, 96.5044,
141.3895

■ 9.0358, 10.4466,
20.5644

■ 113.1529,
124.0275, 177.6244

■ 4.8218, 5.6961,
12.6178

143.0709,
156.3413, 219.5746

■ 2.1768, 2.6612,
7.0383

177.8461,
193.8304, 267.6588

■ 0.7305, 0.9575,
3.4072

217.8437,

■ 0.0000, 0.0000,

236.8791, 322.2953

1.3061

263.4292,
285.8717, 383.9028

■ 0.0000, 0.0000,
0.0668

■ 0.0000, 0.0000,
0.0000

■ 34.7447, 38.8360,
62.7916

■ 34.7447, 38.8360,
62.7916

■ 30.4333, 34.3189,
62.1476

■ 39.7748, 43.8729,
63.4994

■ 26.7979, 30.2943,
61.5624

■ 45.5558, 49.4461,
64.2704

■ 23.7968, 26.7388,
61.0343

■ 52.1221, 55.5768,
65.1077

■ 21.3814, 23.6245,
60.5605

■ 59.5050, 62.2836,
66.0131

■ 19.4954, 20.9195,
60.1378

■ 67.7338, 69.5841,
66.9885

■ 18.0621, 18.5814,
59.7620

■ 76.8366, 77.4949,
68.0357

■ 17.7116, 17.9845,
59.6653

■ 80.7846, 82.9105,
68.8729

■ 83.1725, 87.6863,
69.6689

■ 85.6727, 92.6866,
70.5023

Harmonies

Analogous

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



32.1027, 38.8360, 55.8279



34.7447, 38.8360, 62.7916



38.1302, 38.8360, 63.8029

Triad

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



34.7447, 38.8360, 62.7916



43.8122, 38.8360, 38.9290



32.7791, 38.8360, 29.4425

Complementary

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



34.7447, 38.8360, 62.7916



41.1968, 39.1926, 25.8167

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.



35.7209, 38.8360, 26.2483



34.7447, 38.8360, 62.7916



42.1801, 38.8360, 31.1324

Square

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



34.7447, 38.8360, 62.7916



43.5104, 38.8360, 48.9413



39.1685, 38.8360, 26.8147



31.0177, 38.8360, 36.2628

Rectangle

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



34.7447, 38.8360, 62.7916



40.3737, 38.8360, 60.8194



39.1685, 38.8360, 26.8147



33.6549, 38.8360, 27.9610

Sweetspot

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



34.7459, 38.8375, 62.7925



81.9310, 87.9791, 107.2712



36.7019, 50.2582, 40.2959



17.2153, 18.5315, 22.9195



0.0000, 0.0000, 0.0000



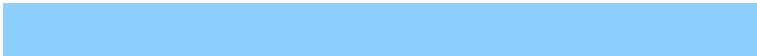
20.3446, 21.4041, 23.3091

Same Dimension

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



34.7459, 38.8375, 62.7925



51.5112, 58.0248, 103.0927



28.5500, 26.4457, 60.7272



11.1446, 11.9297, 14.2857



11.2413, 11.5065, 37.5848



0.6534, 0.7405, 1.9634

Inverse Universe

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



40.1648, 31.2939, 43.4602



62.0640, 44.6531, 65.1490



48.6292, 54.0572, 28.2941



11.4864, 11.3233, 13.0958



17.8850, 8.9646, 12.3788



0.9597, 0.4773, 0.8338

Previews

White Background



This preview shows how the XYZ color 34.7447, 38.8360, 62.7916 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 34.7447, 38.8360, 62.7916 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 34.7447, 38.8360, 62.7916

Background



This preview shows how black text looks on a background with the XYZ color 34.7447, 38.8360, 62.7916.



This preview shows how white text looks on a background with the XYZ color 34.7447, 38.8360,

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

34.7447, 38.8360, 62.7916

Protanopia

38.2611, 38.5074, 59.4489

Deuteranopia

39.3420, 38.4371, 63.7381



Tritanopia

32.9364, 38.6627, 54.4419

Trichromacy



Original Color

34.7447, 38.8360, 62.7916

Protanomaly

36.7580, 38.5182, 60.7557

Deuteranomaly

37.4158, 38.5292, 63.2225

Tritanomaly

33.4438, 38.5722, 57.3123

Monochromacy



Original Color

34.7447, 38.8360, 62.7916

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.4323, 37.3358, 47.5112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7447, 38.8360, 62.7916 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(128, 173, 204)` looks like.

```
.text, #text, p{  
    color:rgb(128, 173, 204)  
}
```

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(128, 173, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 173, 204) }
```

Border

The CSS property to change the border of an element to XYZ 34.7447, 38.8360, 62.7916 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(128, 173, 204) }
```


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

```
.border{ border-color:rgb(128, 173, 204) }
```

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

Here you see how a box with a 4 pixel rgb(128, 173, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 173, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 173, 204);  
box-shadow:4px 4px 4px 4px rgb(128, 173,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7447, 38.8360, 62.7916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 173, 204) }
```

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

```
.background{ background-color: rgb(128,  
173, 204) }
```

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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