

Converting Colors

XYZ(33.4490, 38.4647, 62.8910)

Have a look what the booklet for
XYZ(33.4490, 38.4647, 62.8910)
contains.

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Color

**XYZ(33.3713, 38.4136,
62.7825)**

Conversions

Conversions Part 1

Format	Color
Hex	75AECC
RGB	117, 174, 204
RGB Percent	46%, 68%, 80%
CMY	0.5412, 0.3176, 0.2000
CMYK	0.43, 0.15, 0.00, 0.20
HSL	201°, 46%, 63%
HSV	201°, 43%, 80%
XYZ	33.3713, 38.4136, 62.7825
YIQ	160.3770, -43.6020, -2.7540

Conversions

Conversions Part 2

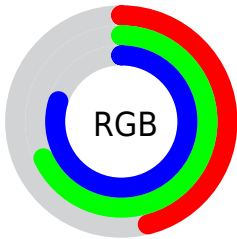
Format	Color
RYB	117, 151, 204
Decimal	7712460
CIELab	68.32, -10.73, -21.08
CIELCh	68, 23.653, 243.016
Yxy	38.4136, 0.2480, 0.2855
Android (android.graphics.Color)	4285902540 (0xFF75AECC)
YUV	160.3770, 21.5061, -38.0416
Hunter-Lab	61.9787, -12.3527, -16.6738

Details

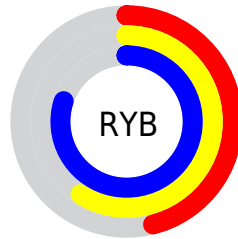
The XYZ color **33.3713, 38.4136, 62.7825** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.5475, 34.9903, 21.5531**, and the grayscale version is **33.5068, 35.2518, 38.3892**.

A 20% lighter version of the original color is **63.0826, 72.0293, 105.1860**, and **14.4512, 17.1452, 31.4019** is the 20% darker color. If you saturate the color by 10%, you get **29.5998, 34.5052, 62.2276**, and if you desaturate by 10%, it is **37.8136, 42.7752, 63.3909**.

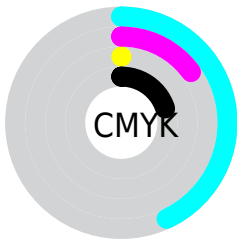
Distribution



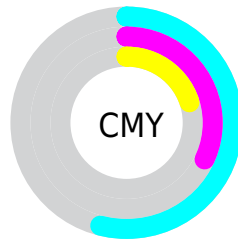
- Red (46%)
- Green (68%)
- Blue (80%)



- Red (46%)
- Yellow (59%)
- Blue (80%)



- Cyan (43%)
- Magenta (15%)
- Yellow (0%)
- Black (20%)



- Cyan (54%)
- Magenta (32%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3713, 38.4136, 62.7825 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 33.3713, 38.4136, 62.7825 by changing the saturation by 10% instead.

■ 33.3713, 38.4136,
62.7825

■ 33.3713, 38.4136,
62.7825

308.9550,
339.3909, 452.8659

■ 22.5716, 26.3039,
45.2254

■ 64.3056, 72.7416,
110.4382

■ 14.3965, 17.0511,
31.2908

■ 85.1709, 95.7287,
141.3739

■ 8.4805, 10.2709,
20.5600

■ 110.1222,
123.1104, 177.6062

■ 4.4583, 5.5790,
12.6147

139.5248,
155.2710, 219.5537

■ 1.9645, 2.5908,
7.0362

173.7440,
192.5949, 267.6348

■ 0.6139, 0.9220,
3.4059

213.1452,

■ 0.0000, 0.0000,

235.4666, 322.2682

1.3055

258.0937,
284.2705, 383.8724

■ 0.0000, 0.0000,
0.0663

■ 0.0000, 0.0000,
0.0000

■ 33.3713, 38.4136,
62.7825

■ 33.3713, 38.4136,
62.7825

■ 29.5998, 34.5052,
62.2276

■ 37.8136, 42.7752,
63.3909

■ 26.4553, 31.0233,
61.7212

■ 42.9599, 47.6060,
64.0521

■ 23.8940, 27.9444,
61.2619

■ 48.8452, 52.9266,
64.7689

■ 21.8642, 25.2403,
60.8470

■ 55.5012, 58.7548,
65.5431

■ 20.3044, 22.8775,
60.4731

■ 62.9575, 65.1073,
66.3762

■ 19.3770, 21.3152,
60.2204

■ 71.2423, 72.0000,
67.2700

■ 78.5921, 78.5254,
68.1421

■ 80.5135, 82.3682,
68.7826

■ 82.5140, 86.3692,
69.4494

Harmonies

Analogous

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



30.8542, 38.4136, 53.9643



33.3713, 38.4136, 62.7825



36.8873, 38.4136, 65.7030

Triad

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



33.3713, 38.4136, 62.7825



44.1017, 38.4136, 40.7608



32.7632, 38.4136, 26.9373

Complementary

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



33.3713, 38.4136, 62.7825



38.5475, 34.9903, 21.5531

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.



36.1372, 38.4136, 24.5727



33.3713, 38.4136, 62.7825



42.8200, 38.4136, 31.6596

Square

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



33.3713, 38.4136, 62.7825



43.2385, 38.4136, 51.7891



39.8416, 38.4136, 26.1441



30.5202, 38.4136, 33.2302

Rectangle

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



33.3713, 38.4136, 62.7825



39.3695, 38.4136, 63.5687



39.8416, 38.4136, 26.1441



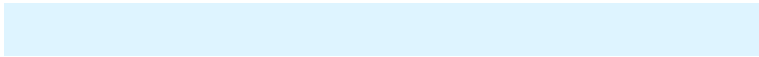
33.7943, 38.4136, 25.7099

Sweetspot

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



33.3725, 38.4151, 62.7834



80.3495, 87.1683, 107.1980



34.1184, 49.0439, 34.8637



16.7115, 18.2226, 22.8865



0.0000, 0.0000, 0.0000



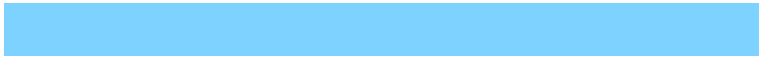
20.3446, 21.4041, 23.3091

Same Dimension

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



33.3725, 38.4151, 62.7834



49.5852, 57.7464, 103.1405



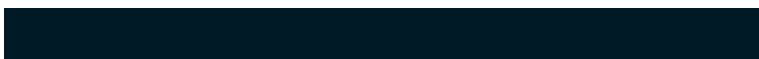
26.4201, 24.5102, 60.4659



11.2049, 12.0503, 14.3058



12.2856, 13.5952, 37.9329



0.7028, 0.8394, 1.9799

Inverse Universe

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



38.9042, 28.6173, 43.5190



60.2196, 40.5755, 65.7325



46.4190, 50.7334, 24.1770



11.5168, 11.3355, 13.2561



18.4121, 9.1754, 15.1548



0.9847, 0.4873, 0.9653

Previews

White Background



This preview shows how the XYZ color 33.3713, 38.4136, 62.7825 looks on a white background.

Color Contrast Check

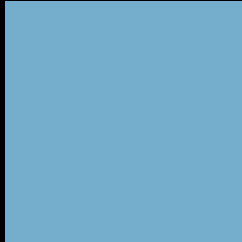
Large Text (above 18pt) WCAG AA × Fail

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 33.3713, 38.4136, 62.7825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

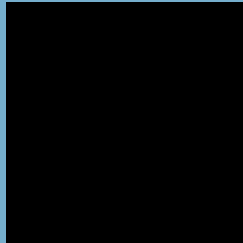
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3713, 38.4136, 62.7825

Background



This preview shows how black text looks on a background with the XYZ color 33.3713, 38.4136, 62.7825.



This preview shows how white text looks on a background with the XYZ color 33.3713, 38.4136,

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

33.3713, 38.4136, 62.7825

Protanopia

37.6516, 37.9531, 58.1645

Deuteranopia

38.9357, 38.2277, 63.7191



Tritanopia

31.6296, 38.2791, 54.4367

Trichromacy



Original Color

33.3713, 38.4136, 62.7825

Protanomaly

35.9296, 38.1047, 60.1048

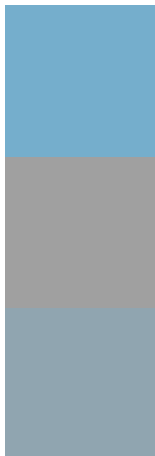
Deuteranomaly

36.5152, 38.0650, 63.1803

Tritanomaly

32.1197, 38.1775, 57.3059

Monochromacy



Original Color

33.3713, 38.4136, 62.7825

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.7932, 35.9741, 46.2896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3713, 38.4136, 62.7825 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(117, 174, 204)` looks like.

```
.text, #text, p{  
    color:rgb(117, 174, 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(117, 174, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 174, 204) }
```

Border

The CSS property to change the border of an element to XYZ 33.3713, 38.4136, 62.7825 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(117, 174, 204) }
```


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

```
.border{ border-color:rgb(117, 174, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 174, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 174, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 174, 204);  
box-shadow:4px 4px 4px 4px rgb(117, 174,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3713, 38.4136, 62.7825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 174, 204) }
```

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

```
.background{ background-color: rgb(117,  
174, 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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