

Converting Colors

XYZ(33.2106, 37.7731, 56.4624)

Have a look what the booklet for
XYZ(33.2106, 37.7731, 56.4624)
contains.

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Color

**XYZ(33.3922, 37.9893,
56.6116)**

Conversions

Conversions Part 1

Format	Color
Hex	80ACC2
RGB	128, 172, 194
RGB Percent	50%, 67%, 76%
CMY	0.4980, 0.3255, 0.2392
CMYK	0.34, 0.11, 0.00, 0.24
HSL	200°, 35%, 63%
HSV	200°, 34%, 76%
XYZ	33.3922, 37.9893, 56.6116
YIQ	161.3520, -33.2860, -2.4860

Conversions

Conversions Part 2

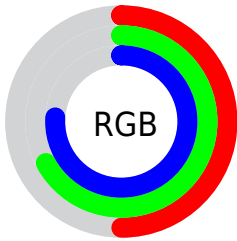
Format	Color
RYB	128, 154, 194
Decimal	8432834
CIELab	68.01, -9.32, -15.97
CIELCh	68, 18.490, 239.748
Yxy	37.9893, 0.2609, 0.2968
Android (android.graphics.Color)	4286622914 (0xFF80ACC2)
YUV	161.3520, 16.0955, -29.2497
Hunter-Lab	61.6355, -11.1562, -11.3125

Details

The XYZ color **33.3922, 37.9893, 56.6116** is a light color, and the websafe version is hex **669999**. A complement of this color would be **37.0513, 34.8409, 25.1952**, and the grayscale version is **33.9795, 35.7490, 38.9307**.

A 20% lighter version of the original color is **64.4101, 71.9705, 101.7637**, and **14.4306, 16.8629, 27.3052** is the 20% darker color. If you saturate the color by 10%, you get **29.5478, 34.2256, 56.0884**, and if you desaturate by 10%, it is **37.8567, 42.1634, 57.1826**.

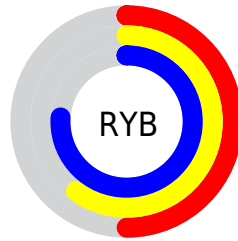
Distribution



Red (50%)

Green (67%)

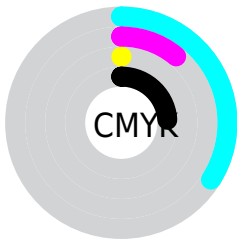
Blue (76%)



Red (50%)

Yellow (60%)

Blue (76%)

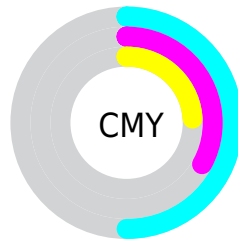


Cyan (34%)

Magenta (11%)

Yellow (0%)

Black (24%)



Cyan (50%)

Magenta (33%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3922, 37.9893, 56.6116 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 33.3922, 37.9893, 56.6116 by changing the saturation by 10% instead.

■ 33.3922, 37.9893,
56.6116

■ 33.3922, 37.9893,
56.6116

309.0471,
337.5741, 429.4452

■ 22.5877, 25.9744,
40.2862

■ 64.3380, 72.0917,
101.3929

■ 14.4084, 16.8045,
27.4463

■ 85.2100, 94.9480,
130.6860

■ 8.4889, 10.0952,
17.6733

■ 110.1685,
122.1869, 165.1386

■ 4.4637, 5.4621,
10.5487

139.5790,
154.1928, 205.1694

■ 1.9677, 2.5209,
5.6539

173.8067,
191.3501, 251.1970

■ 0.6157, 0.8871,
2.5704

213.2171,

■ 0.0000, 0.0000,

234.0431, 303.6398

0.8771

258.1755,
282.6563, 362.9163

■ 0.0000, 0.0000,
0.0000

■ 33.3922, 37.9893,
56.6116

■ 33.3922, 37.9893,
56.6116

■ 29.5478, 34.2256,
56.0884

■ 37.8567, 42.1634,
57.1826

■ 26.2873, 30.8496,
55.6086

■ 42.9680, 46.7602,
57.8005

■ 23.5759, 27.8431,
55.1712

■ 48.7554, 51.7968,
58.4676

■ 21.3733, 25.1839,
54.7740

■ 55.2452, 57.2881,
59.1855

■ 19.6331, 22.8469,
54.4147

■ 62.4625, 63.2480,
59.9555

■ 18.2996, 20.8019,
54.0902

■ 70.4308, 69.6899,
60.7789

■ 17.6327, 19.6850,
53.9098

■ 75.8594, 74.9184,
61.5020

■ 77.5617, 78.3230,
62.0694

■ 79.3300, 81.8596,
62.6589

Harmonies

Analogous

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



31.5153, 37.9893, 49.7322



33.3922, 37.9893, 56.6116



36.0834, 37.9893, 59.3124

Triad

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



33.3922, 37.9893, 56.6116



41.9259, 37.9893, 41.4335



33.4322, 37.9893, 29.0788

Complementary

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



33.3922, 37.9893, 56.6116



37.0513, 34.8409, 25.1952

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.



36.1320, 37.9893, 27.4595



33.3922, 37.9893, 56.6116



41.1259, 37.9893, 33.9913

Square

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



33.3922, 37.9893, 56.6116



41.0994, 37.9893, 49.8686



38.9665, 37.9893, 29.1339



31.5375, 37.9893, 33.8856

Rectangle

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



33.3922, 37.9893, 56.6116



38.0090, 37.9893, 58.1358



38.9665, 37.9893, 29.1339



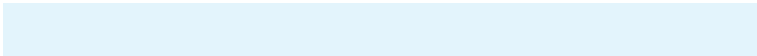
34.2709, 37.9893, 28.1744

Sweetspot

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



33.3934, 37.9908, 56.6125



81.7468, 88.1439, 105.1747



33.6115, 45.3402, 35.3729



17.5798, 19.0209, 22.9948



0.0000, 0.0000, 0.0000



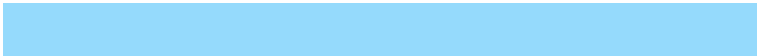
20.3446, 21.4041, 23.3091

Same Dimension

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



33.3934, 37.9908, 56.6125



55.0853, 63.5587, 101.8345



28.0333, 27.2706, 54.8258



10.0766, 10.8444, 12.8469



11.6707, 13.0980, 35.4697



0.5655, 0.6883, 1.5529

Inverse Universe

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



37.4146, 29.8872, 42.8282



63.6954, 47.3166, 72.0720



42.8526, 46.4436, 27.1290



10.3499, 10.1886, 11.9334



17.2868, 8.6045, 14.6884



0.7778, 0.3841, 0.7973

Previews

White Background



This preview shows how the XYZ color 33.3922, 37.9893, 56.6116 looks on a white background.

Color Contrast Check

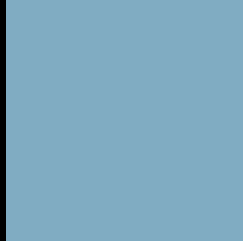
Large Text (above 18pt) WCAG AA × Fail

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 33.3922, 37.9893, 56.6116 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

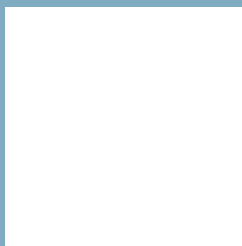
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3922, 37.9893, 56.6116

Background



This preview shows how black text looks on a background with the XYZ color 33.3922, 37.9893, 56.6116.



This preview shows how white text looks on a background with the XYZ color 33.3922, 37.9893,

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

33.3922, 37.9893, 56.6116

Protanopia

37.1587, 37.8021, 53.4822

Deuteranopia

38.4346, 37.5823, 57.4529



Tritanopia

32.5174, 37.9106, 52.6173

Trichromacy



Original Color

33.3922, 37.9893, 56.6116

Protanomaly

35.6171, 37.7886, 54.7069

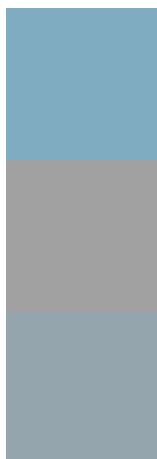
Deuteranomaly

36.2544, 37.5258, 56.9622

Tritanomaly

32.9902, 38.1169, 54.3337

Monochromacy



Original Color

33.3922, 37.9893, 56.6116

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.3924, 36.3170, 44.7851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3922, 37.9893, 56.6116 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, 172, 194)` looks like.

```
.text, #text, p{  
    color:rgb(128, 172, 194)  
}
```

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, 172, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 172, 194) }
```

Border

The CSS property to change the border of an element to XYZ 33.3922, 37.9893, 56.6116 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, 172, 194) }
```


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

```
.border{ border-color:rgb(128, 172, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 172, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 172, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 172, 194);  
box-shadow:4px 4px 4px 4px rgb(128, 172,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3922, 37.9893, 56.6116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 172, 194) }
```

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

```
.background{ background-color: rgb(128,  
172, 194) }
```

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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