

Converting Colors

XYZ(30.5973, 37.5141, 63.3941)

Have a look what the booklet for
XYZ(30.5973, 37.5141, 63.3941)
contains.

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Color

**XYZ(30.6646, 37.5823,
63.3955)**

Conversions

Conversions Part 1

Format	Color
Hex	59B0CD
RGB	89, 176, 205
RGB Percent	35%, 69%, 80%
CMY	0.6510, 0.3098, 0.1961
CMYK	0.57, 0.14, 0.00, 0.20
HSL	195°, 54%, 58%
HSV	195°, 57%, 80%
XYZ	30.6646, 37.5823, 63.3955
YIQ	153.2930, -61.1610, -9.4250

Conversions

Conversions Part 2

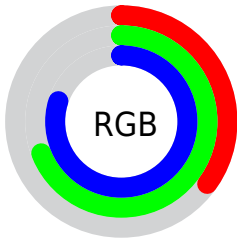
Format	Color
R_{YB}	89, 139, 205
Decimal	5877965
CIE _{Lab}	67.71, -17.90, -22.67
CIE _{LCh}	68, 28.887, 231.715
Yxy	37.5823, 0.2329, 0.2855
Android (android.graphics.Color)	4284068045 (0xFF59B0CD)
YUV	153.2930, 25.4916, -56.3850
Hunter-Lab	61.3044, -17.9966, -18.3993

Details

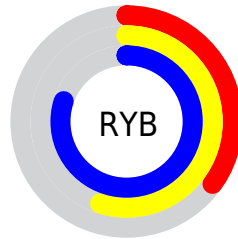
The XYZ color **30.6646, 37.5823, 63.3955** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **33.4594, 26.6585, 12.8345**, and the grayscale version is **30.3185, 31.8975, 34.7363**.

A 20% lighter version of the original color is **58.9392, 71.1363, 105.2320**, and **12.8500, 16.4936, 31.7845** is the 20% darker color. If you saturate the color by 10%, you get **27.9787, 34.7347, 62.9881**, and if you desaturate by 10%, it is **33.9385, 40.7909, 63.8430**.

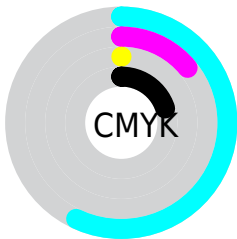
Distribution



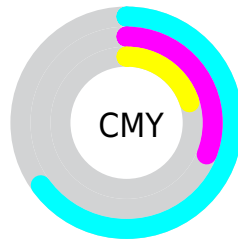
- Red (35%)
- Green (69%)
- Blue (80%)



- Red (35%)
- Yellow (55%)
- Blue (80%)



- Cyan (57%)
- Magenta (14%)
- Yellow (0%)
- Black (20%)



- Cyan (65%)
- Magenta (31%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6646, 37.5823, 63.3955 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 30.6646, 37.5823, 63.3955 by changing the saturation by 10% instead.

■ 30.6646, 37.5823,
63.3955

■ 30.6646, 37.5823,
63.3955

296.8447,
335.8247, 455.1508

■ 20.4942, 25.6587,
45.7182

■ 60.0911, 71.4675,
111.3310

■ 12.8651, 16.5685,
31.6764

■ 80.0778, 94.1978,
142.4262

■ 7.4121, 9.9273,
20.8517

■ 104.0674,
121.2991, 178.8312

■ 3.7697, 5.3508,
12.8255

■ 132.4251,
153.1558, 220.9644

■ 1.5727, 2.4545,
7.1792

165.5163,
190.1524, 269.2445

■ 0.3745, 0.8537,
3.4943

203.7064,

■ 0.0000, 0.0000,

232.6731, 324.0898

1.3522

247.3608,
281.1024, 385.9191

■ 0.0000, 0.0000,
0.1040

■ 0.0000, 0.0000,
0.0000

■ 30.6646, 37.5823,
63.3955

■ 30.6646, 37.5823,
63.3955

■ 27.9787, 34.7347,
62.9881

■ 33.9385, 40.7909,
63.8430

■ 25.8301, 32.2190,
62.6158

■ 37.8386, 44.3785,
64.3299

■ 24.1650, 30.0077,
62.2767

■ 42.4038, 48.3665,
64.8590

■ 22.9125, 28.0635,
61.9675

■ 47.6690, 52.7734,
65.4321

■ 22.5342, 27.4372,
61.8665

■ 53.6662, 57.6164,
66.0508

■ 60.4256, 62.9116,
66.7167

■ 67.9757, 68.6741,
67.4310

■ 76.3434, 74.9186,
68.1953

■ 78.4146, 77.9780,
68.6766

Harmonies

Analogous

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



28.3285, 37.5823, 50.7012



30.6646, 37.5823, 63.3955



34.4987, 37.5823, 70.3682

Triad

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



30.6646, 37.5823, 63.3955



44.9009, 37.5823, 44.5646



32.6397, 37.5823, 22.0753

Complementary

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



30.6646, 37.5823, 63.3955



33.4594, 26.6585, 12.8345

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.



36.9715, 37.5823, 21.1044



30.6646, 37.5823, 63.3955



44.2989, 37.5823, 32.4866

Square

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



30.6646, 37.5823, 63.3955



42.8871, 37.5823, 58.1099



41.3044, 37.5823, 24.5058



29.4010, 37.5823, 27.5071

Rectangle

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



30.6646, 37.5823, 63.3955



37.4912, 37.5823, 70.0024



41.3044, 37.5823, 24.5058



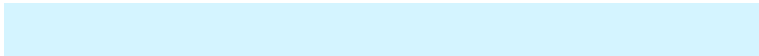
34.0071, 37.5823, 21.2690

Sweetspot

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



30.6658, 37.5837, 63.3964



77.5002, 85.9644, 107.1158



29.1085, 47.0499, 24.0921



16.1955, 18.0753, 22.8852



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.



30.6658, 37.5837, 63.3964



44.9513, 55.9085, 103.0300



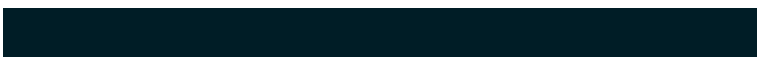
21.8489, 19.9499, 60.4574



11.2965, 12.2335, 14.3363



14.1070, 17.2379, 38.5400



0.7856, 1.0051, 2.0075

Inverse Universe

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



36.5867, 23.2597, 43.6369



56.0669, 31.9703, 65.2725



42.1299, 43.9994, 15.7247



11.5630, 11.3540, 13.4996



19.3315, 9.5432, 19.9959



1.0265, 0.5040, 1.1854

Previews

White Background



This preview shows how the XYZ color 30.6646, 37.5823, 63.3955 looks on a white background.

Color Contrast Check

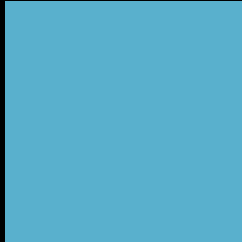
Large Text (above 18pt) WCAG AA × Fail

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 30.6646, 37.5823, 63.3955 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 30.6646, 37.5823, 63.3955

Background



This preview shows how black text looks on a background with the XYZ color 30.6646, 37.5823, 63.3955.

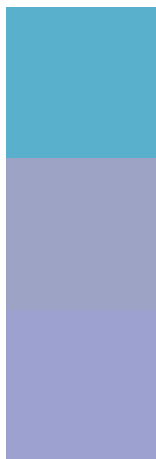


This preview shows how white text looks on a background with the XYZ color 30.6646, 37.5823,

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

30.6646, 37.5823, 63.3955

Protanopia

36.9656, 37.3480, 57.4851

Deuteranopia

38.0347, 37.2119, 64.8525



Tritanopia

29.2022, 37.5759, 56.1658

Trichromacy



Original Color

30.6646, 37.5823, 63.3955

Protanomaly

33.8272, 37.0343, 59.3983

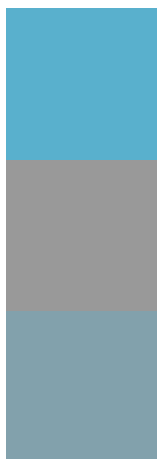
Deuteranomaly

34.4144, 36.6830, 64.2982

Tritanomaly

29.6379, 37.4539, 58.4906

Monochromacy



Original Color

30.6646, 37.5823, 63.3955

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.3972, 33.2141, 43.8913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6646, 37.5823, 63.3955 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(89, 176, 205)` looks like.

```
.text, #text, p{  
    color:rgb(89, 176, 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(89, 176, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 176, 205) }
```

Border

The CSS property to change the border of an element to XYZ 30.6646, 37.5823, 63.3955 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(89, 176, 205) }
```


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

```
.border{ border-color:rgb(89, 176, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 176, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 176, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 176, 205);  
box-shadow:4px 4px 4px 4px rgb(89, 176,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6646, 37.5823, 63.3955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 176, 205) }
```

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

```
.background{ background-color: rgb(89, 176,  
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](#).

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