

Converting Colors

XYZ(30.9696, 36.3113, 63.7365)

Have a look what the booklet for
XYZ(30.9696, 36.3113, 63.7365)
contains.

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Color

**XYZ(30.9590, 36.2914,
63.7657)**

Conversions

Conversions Part 1

Format	Color
Hex	64ABCE
RGB	100, 171, 206
RGB Percent	39%, 67%, 81%
CMY	0.6078, 0.3294, 0.1922
CMYK	0.51, 0.17, 0.00, 0.19
HSL	200°, 52%, 60%
HSV	200°, 51%, 81%
XYZ	30.9590, 36.2914, 63.7657
YIQ	153.7610, -53.5510, -4.1670

Conversions

Conversions Part 2

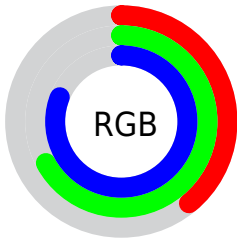
Format	Color
RYB	100, 143, 206
Decimal	6597582
CIELab	66.74, -12.62, -24.67
CIELCh	67, 27.713, 242.900
Yxy	36.2914, 0.2363, 0.2770
Android (android.graphics.Color)	4284787662 (0xFF64ABCE)
YUV	153.7610, 25.7538, -47.1484
Hunter-Lab	60.2423, -13.6916, -20.5880

Details

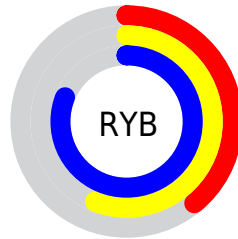
The XYZ color **30.9590, 36.2914, 63.7657** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **36.4187, 31.3709, 16.1935**, and the grayscale version is **30.5191, 32.1085, 34.9661**.

A 20% lighter version of the original color is **59.1510, 68.7808, 104.7662**, and **13.1010, 15.8920, 32.0827** is the 20% darker color. If you saturate the color by 10%, you get **27.7104, 32.7589, 63.2557**, and if you desaturate by 10%, it is **34.8521, 40.2558, 64.3264**.

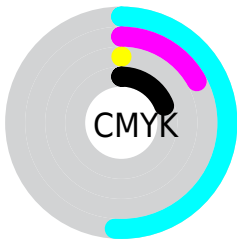
Distribution



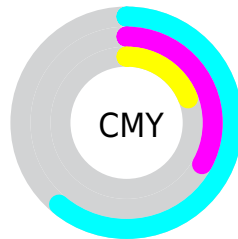
- Red (39%)
- Green (67%)
- Blue (81%)



- Red (39%)
- Yellow (56%)
- Blue (81%)



- Cyan (51%)
- Magenta (17%)
- Yellow (0%)
- Black (19%)



- Cyan (61%)
- Magenta (33%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9590, 36.2914, 63.7657 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 30.9590, 36.2914, 63.7657 by changing the saturation by 10% instead.

■ 30.9590, 36.2914,
63.7657

■ 30.9590, 36.2914,
63.7657

298.1796,
330.2324, 456.5273

■ 20.7193, 24.6593,
46.0160

■ 60.5518, 69.4816,
111.8697

■ 13.0303, 15.8234,
31.9097

■ 80.6356, 91.8085,
143.0610

■ 7.5265, 9.3993,
21.0283

■ 104.7315,
118.4692, 179.5699

■ 3.8428, 5.0025,
12.9532

■ 133.2048,
149.8480, 221.8149

■ 1.6136, 2.2487,
7.2660

166.4210,
186.3293, 270.2146

■ 0.4012, 0.7464,
3.5480

204.7452,

■ 0.0000, 0.0000,

228.2976, 325.1876

1.3808

248.5430,
276.1371, 387.1523

■ 0.0000, 0.0000,
0.1267

■ 0.0000, 0.0000,
0.0000

■ 30.9590, 36.2914,
63.7657

■ 30.9590, 36.2914,
63.7657

■ 27.7104, 32.7589,
63.2557

■ 34.8521, 40.2558,
64.3264

■ 25.0574, 29.6294,
62.7915

■ 39.4268, 44.6704,
64.9374

■ 22.9495, 26.8761,
62.3712

■ 44.7213, 49.5572,
65.6016

■ 21.3251, 24.4658,
61.9916

■ 50.7700, 54.9350,
66.3208

■ 20.2267, 22.6284,
61.6948

■ 57.6048, 60.8218,
67.0968

■ 65.2559, 67.2344,
67.9313

■ 73.7515, 74.1887,
68.8259

■ 79.4188, 79.7926,
69.6088

■ 81.2990, 83.5529,
70.2355

Harmonies

Analogous

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



28.1734, 36.2914, 53.3905



30.9590, 36.2914, 63.7657



34.9024, 36.2914, 67.2655

Triad

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



30.9590, 36.2914, 63.7657



43.1640, 36.2914, 38.3613



30.3079, 36.2914, 23.1619

Complementary

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



30.9590, 36.2914, 63.7657



36.4187, 31.3709, 16.1935

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.



34.0886, 36.2914, 20.6893



30.9590, 36.2914, 63.7657



41.6954, 36.2914, 28.2798

Square

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



30.9590, 36.2914, 63.7657



42.1588, 36.2914, 50.9615



38.2881, 36.2914, 22.3553



27.8193, 36.2914, 29.9255

Rectangle

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



30.9590, 36.2914, 63.7657



37.7185, 36.2914, 64.7518



38.2881, 36.2914, 22.3553



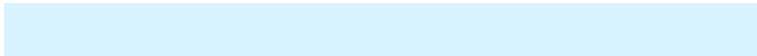
31.4585, 36.2914, 21.8710

Sweetspot

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



30.9602, 36.2928, 63.7666



78.4535, 85.6585, 107.0065



31.6007, 48.5619, 30.1052



16.3435, 17.9357, 22.8505



0.0000, 0.0000, 0.0000



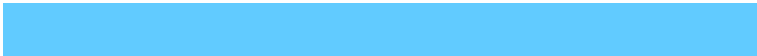
20.3446, 21.4041, 23.3091

Same Dimension

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



30.9602, 36.2928, 63.7666



44.2774, 52.3725, 102.3830



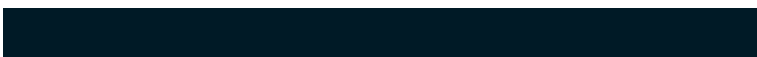
23.0457, 20.4639, 61.1284



11.2190, 12.0785, 14.3104



12.5469, 14.1177, 38.0200



0.7149, 0.8636, 1.9840

Inverse Universe

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



37.3624, 25.1776, 41.4200



56.2609, 34.0931, 59.9892



45.4332, 49.3999, 19.1983



11.5239, 11.3383, 13.2935



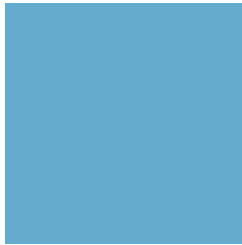
18.5440, 9.2282, 15.8492



0.9908, 0.4897, 0.9975

Previews

White Background



This preview shows how the XYZ color 30.9590, 36.2914, 63.7657 looks on a white background.

Color Contrast Check

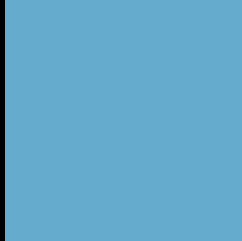
Large Text (above 18pt) WCAG AA × Fail

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 30.9590, 36.2914, 63.7657 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 30.9590, 36.2914, 63.7657

Background



This preview shows how black text looks on a background with the XYZ color 30.9590, 36.2914, 63.7657.

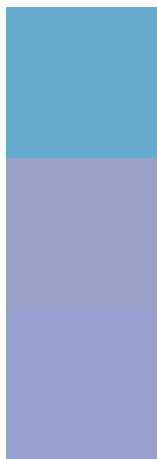


This preview shows how white text looks on a background with the XYZ color 30.9590, 36.2914,

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

30.9590, 36.2914, 63.7657

Protanopia

35.9007, 35.9911, 58.4809

Deuteranopia

36.8557, 36.0751, 65.3423



Tritanopia

28.8292, 36.2826, 53.0607

Trichromacy



Original Color

30.9590, 36.2914, 63.7657

Protanomaly

33.6496, 35.8363, 60.4019

Deuteranomaly

34.1552, 35.7350, 64.7719

Tritanomaly

29.6178, 36.3141, 57.0781

Monochromacy



Original Color

30.9590, 36.2914, 63.7657

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.9451, 33.2271, 44.3704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9590, 36.2914, 63.7657 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(100, 171, 206)` looks like.

```
.text, #text, p{  
    color:rgb(100, 171, 206)  
}
```

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(100, 171, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 171, 206) }
```

Border

The CSS property to change the border of an element to XYZ 30.9590, 36.2914, 63.7657 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(100, 171, 206) }
```


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

```
.border{ border-color:rgb(100, 171, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 171, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 171, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 171, 206);  
box-shadow:4px 4px 4px 4px rgb(100, 171,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9590, 36.2914, 63.7657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 171, 206) }
```

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

```
.background{ background-color: rgb(100,  
171, 206) }
```

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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