

Converting Colors

XYZ(31.0421, 36.3934, 65.0134)

Have a look what the booklet for
XYZ(31.0421, 36.3934, 65.0134)
contains.

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Color

**XYZ(30.9851, 36.2766,
65.0435)**

Conversions

Conversions Part 1

Format	Color
Hex	62ABD0
RGB	98, 171, 208
RGB Percent	38%, 67%, 82%
CMY	0.6157, 0.3294, 0.1843
CMYK	0.53, 0.18, 0.00, 0.18
HSL	200°, 54%, 60%
HSV	200°, 53%, 82%
XYZ	30.9851, 36.2766, 65.0435
YIQ	153.3910, -55.3850, -3.9690

Conversions

Conversions Part 2

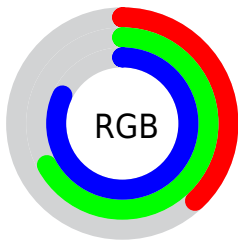
Format	Color
R_{YB}	98, 142, 208
Decimal	6466512
CIE _{Lab}	66.73, -12.48, -25.80
CIE _{LCh}	67, 28.660, 244.188
Yxy	36.2766, 0.2342, 0.2742
Android (android.graphics.Color)	4284656592 (0xFF62ABD0)
YUV	153.3910, 26.9222, -48.5779
Hunter-Lab	60.2301, -13.5740, -21.8673

Details

The XYZ color **30.9851, 36.2766, 65.0435** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **36.8820, 31.6209, 15.7161**, and the grayscale version is **30.3533, 31.9341, 34.7762**.

A 20% lighter version of the original color is **58.7639, 68.5813, 104.7481**, and **13.0397, 15.8509, 32.5093** is the 20% darker color. If you saturate the color by 10%, you get **27.7391, 32.6937, 64.5237**, and if you desaturate by 10%, it is **34.8866, 40.3027, 65.6157**.

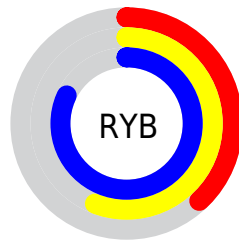
Distribution



Red (38%)

Green (67%)

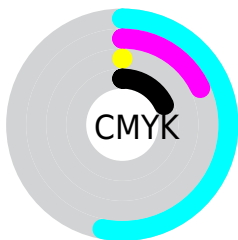
Blue (82%)



Red (38%)

Yellow (56%)

Blue (82%)

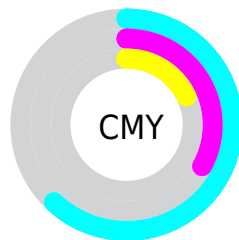


Cyan (53%)

Magenta (18%)

Yellow (0%)

Black (18%)



Cyan (62%)

Magenta (33%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9851, 36.2766, 65.0435 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 30.9851, 36.2766, 65.0435 by changing the saturation by 10% instead.

■ 30.9851, 36.2766,
65.0435

■ 30.9851, 36.2766,
65.0435

■ 298.2978,
330.1679, 461.2588

■ 20.7393, 24.6479,
47.0448

■ 60.5926, 69.4588,
113.7263

■ 13.0449, 15.8149,
32.7165

■ 80.6850, 91.7810,
145.2474

■ 7.5367, 9.3933,
21.6400

■ 104.7903,
118.4366, 182.1131

■ 3.8492, 4.9986,
13.3968

■ 133.2739,
149.8099, 224.7419

■ 1.6172, 2.2464,
7.5684

■ 166.5010,
186.2853, 273.5523

■ 0.4036, 0.7451,
3.7363

■ 204.8372,

■ 0.0000, 0.0000,

228.2471, 328.9629

1.4818

248.6476,
276.0799, 391.3922

■ 0.0000, 0.0000,
0.2043

■ 0.0000, 0.0000,
0.0000

■ 30.9851, 36.2766,
65.0435

■ 30.9851, 36.2766,
65.0435

■ 27.7391, 32.6937,
64.5237

■ 34.8866, 40.3027,
65.6157

■ 25.0976, 29.5240,
64.0511

■ 39.4821, 44.7914,
66.2398

■ 23.0077, 26.7392,
63.6237

■ 44.8115, 49.7652,
66.9190

■ 21.4042, 24.3042,
63.2382

■ 50.9103, 55.2441,
67.6551

■ 20.4792, 22.7419,
62.9854

■ 57.8115, 61.2466,
68.4500

■ 65.5463, 67.7901,
69.3053

■ 74.1441, 74.8912,
70.2228

■ 80.0871, 80.7378,
71.0381

■ 82.0395, 84.6426,
71.6889

Harmonies

Analogous

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



28.0499, 36.2766, 54.4450



30.9851, 36.2766, 65.0435



35.0905, 36.2766, 68.3211

Triad

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



30.9851, 36.2766, 65.0435



43.4535, 36.2766, 37.7858



30.0162, 36.2766, 22.8960

Complementary

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



30.9851, 36.2766, 65.0435



36.8820, 31.6209, 15.7161

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.



33.8763, 36.2766, 20.1939



30.9851, 36.2766, 65.0435



41.8241, 36.2766, 27.5741

Square

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



30.9851, 36.2766, 65.0435



42.5184, 36.2766, 50.7997



38.2279, 36.2766, 21.7085



27.5242, 36.2766, 30.0124

Rectangle

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



30.9851, 36.2766, 65.0435



37.9995, 36.2766, 65.4422



38.2279, 36.2766, 21.7085



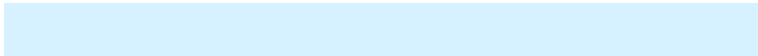
31.1845, 36.2766, 21.5176

Sweetspot

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



30.9863, 36.2779, 65.0444



77.3772, 84.6207, 106.8630



31.9437, 49.4492, 30.6613



16.1273, 17.7227, 22.8208



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.



30.9863, 36.2779, 65.0444



43.5802, 51.3746, 102.2271



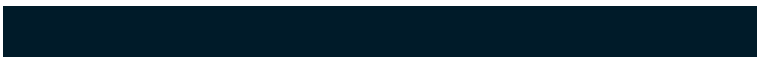
22.7073, 19.7199, 62.2847



11.8095, 12.7092, 15.0744



12.8560, 14.3585, 39.2864



0.7904, 0.9461, 2.2205

Inverse Universe

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



37.7318, 25.0868, 41.3830



55.8122, 33.5431, 58.7688



46.5593, 50.9754, 18.9419



12.1347, 11.9386, 13.9853



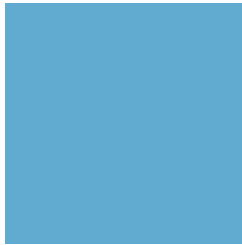
19.1198, 9.5208, 16.0690



1.1052, 0.5468, 1.0888

Previews

White Background



This preview shows how the XYZ color 30.9851, 36.2766, 65.0435 looks on a white background.

Color Contrast Check

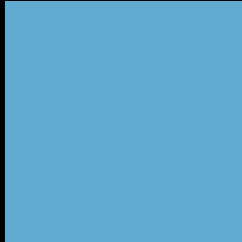
Large Text (above 18pt) WCAG AA × Fail

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 30.9851, 36.2766, 65.0435 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 30.9851, 36.2766, 65.0435

Background



This preview shows how black text looks on a background with the XYZ color 30.9851, 36.2766, 65.0435.

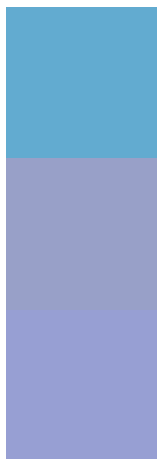


This preview shows how white text looks on a background with the XYZ color 30.9851, 36.2766,

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

30.9851, 36.2766, 65.0435

Protanopia

35.9450, 35.9871, 59.6953

Deuteranopia

36.9185, 36.0787, 66.6461



Tritanopia

28.5275, 36.1271, 53.0466

Trichromacy



Original Color

30.9851, 36.2766, 65.0435

Protanomaly

33.5707, 35.7682, 61.6345

Deuteranomaly

34.2458, 35.7531, 66.0689

Tritanomaly

29.4100, 36.2070, 57.0683

Monochromacy



Original Color

30.9851, 36.2766, 65.0435

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.7865, 33.1453, 44.3629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9851, 36.2766, 65.0435 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(98, 171, 208)` looks like.

```
.text, #text, p{  
    color:rgb(98, 171, 208)  
}
```

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(98, 171, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 171, 208) }
```

Border

The CSS property to change the border of an element to XYZ 30.9851, 36.2766, 65.0435 is called "border". The border property can be set on classes, ids or directly on the HTML element.

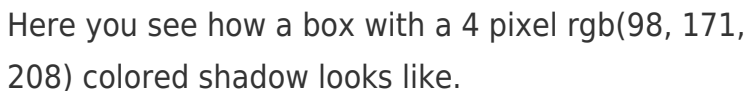
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(98, 171, 208) }
```


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

```
.border{ border-color:rgb(98, 171, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(98, 171, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 171, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 171, 208);  
box-shadow:4px 4px 4px 4px rgb(98, 171,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9851, 36.2766, 65.0435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 171, 208) }
```

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

```
.background{ background-color: rgb(98, 171,  
208) }
```

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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