

Converting Colors

XYZ(30.7814, 36.6320, 70.0209)

Have a look what the booklet for
XYZ(30.7814, 36.6320, 70.0209)
contains.

XYZ(30.6890, 36.5873, 69.7345)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.6890, 36.5873,
69.7345)**

Conversions

Conversions Part 1

Format	Color
Hex	52ADD7
RGB	82, 173, 215
RGB Percent	32%, 68%, 84%
CMY	0.6784, 0.3216, 0.1569
CMYK	0.62, 0.20, 0.00, 0.16
HSL	199°, 62%, 58%
HSV	199°, 62%, 84%
XYZ	30.6890, 36.5873, 69.7345
YIQ	150.5790, -67.7180, -6.2300

Conversions

Conversions Part 2

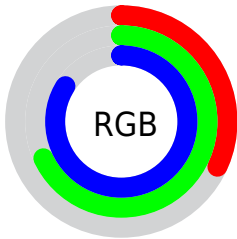
Format	Color
R_{YB}	82, 136, 215
Decimal	5418455
CIE _{Lab}	66.97, -14.59, -29.35
CIE _{LCh}	67, 32.778, 243.561
Yxy	36.5873, 0.2240, 0.2670
Android (android.graphics.Color)	4283608535 (0xFF52ADD7)
YUV	150.5790, 31.7596, -60.1438
Hunter-Lab	60.4874, -15.2890, -26.0128

Details

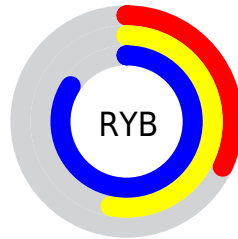
The XYZ color **30.6890, 36.5873, 69.7345** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **36.7562, 29.4733, 11.7357**, and the grayscale version is **29.1266, 30.6434, 33.3707**.

A 20% lighter version of the original color is **57.1211, 68.5464, 104.8279**, and **13.1825, 16.2128, 35.6923** is the 20% darker color. If you saturate the color by 10%, you get **27.8351, 33.2328, 69.2381**, and if you desaturate by 10%, it is **34.1971, 40.3786, 70.2821**.

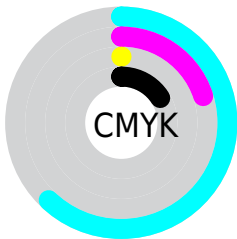
Distribution



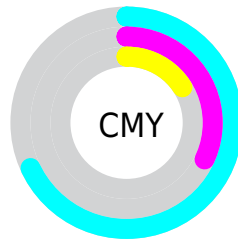
- Red (32%)
- Green (68%)
- Blue (84%)



- Red (32%)
- Yellow (53%)
- Blue (84%)



- Cyan (62%)
- Magenta (20%)
- Yellow (0%)
- Black (16%)



- Cyan (68%)
- Magenta (32%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6890, 36.5873, 69.7345 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 30.6890, 36.5873, 69.7345 by changing the saturation by 10% instead.

■ 30.6890, 36.5873,
69.7345

■ 30.6890, 36.5873,
69.7345

296.9555,
331.5203, 478.3812

■ 20.5128, 24.8881,
50.8347

■ 60.1293, 69.9376,
120.5076

■ 12.8788, 15.9937,
35.7012

■ 80.1241, 92.3575,
153.2180

■ 7.4215, 9.5197,
23.9157

■ 104.1225,
119.1198, 191.3689

■ 3.7758, 5.0817,
15.0595

■ 132.4898,
150.6088, 235.3789

■ 1.5761, 2.2953,
8.7140

165.5914,
187.2089, 285.6667

■ 0.3767, 0.7712,
4.4609

203.7926,

■ 0.0000, 0.0000,

229.3047, 342.6506

1.8814

247.4589,
277.2803, 406.7492

■ 0.0000, 0.0000,
0.4809

■ 0.0000, 0.0000,
0.0000

■ 30.6890, 36.5873,
69.7345

■ 30.6890, 36.5873,
69.7345

■ 27.8351, 33.2328,
69.2381

■ 34.1971, 40.3786,
70.2821

■ 25.5739, 30.2800,
68.7874

■ 38.4061, 44.6303,
70.8809

■ 23.8376, 27.6930,
68.3795

■ 43.3625, 49.3682,
71.5342

■ 22.7160, 25.8065,
68.0745

■ 49.1075, 54.6151,
72.2442

■ 55.6791, 60.3918,
73.0128

■ 63.1129, 66.7180,
73.8421

■ 71.4421, 73.6121,
74.7338

■ 80.6983, 81.0916,
75.6896

■ 82.9596, 85.0739,
76.3391

Harmonies

Analogous

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



27.4000, 36.5873, 56.9760



30.6890, 36.5873, 69.7345



35.3725, 36.5873, 73.8981

Triad

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



30.6890, 36.5873, 69.7345



45.2187, 36.5873, 38.1603



29.7521, 36.5873, 21.0970

Complementary

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



30.6890, 36.5873, 69.7345



36.7562, 29.4733, 11.7357

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.



34.1845, 36.5873, 18.2790



30.6890, 36.5873, 69.7345



43.3675, 36.5873, 26.5345

Square

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



30.6890, 36.5873, 69.7345



44.0593, 36.5873, 53.3169



39.2088, 36.5873, 20.0030



26.8964, 36.5873, 28.8458

Rectangle

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



30.6890, 36.5873, 69.7345



38.7393, 36.5873, 70.5819



39.2088, 36.5873, 20.0030



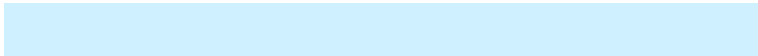
31.0911, 36.5873, 19.6381

Sweetspot

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



30.6902, 36.5886, 69.7354



74.7284, 82.5643, 106.6056



31.2880, 51.7983, 26.7307



15.4260, 17.1651, 22.7501



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.



30.6902, 36.5886, 69.7354



39.9241, 47.6029, 101.6918



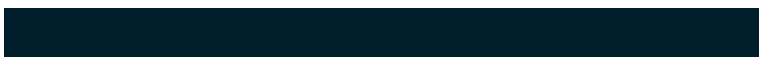
21.1729, 17.5539, 66.5629



12.4461, 13.4156, 15.8710



13.6857, 15.6331, 40.7493



0.8982, 1.0884, 2.4821

Inverse Universe

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



38.5855, 23.5001, 42.0387



53.1025, 29.1503, 54.7009



47.6172, 51.1951, 15.3560



12.7784, 12.5628, 14.7731



19.9667, 9.9230, 17.6608



1.2410, 0.6132, 1.2586

Previews

White Background



This preview shows how the XYZ color 30.6890, 36.5873, 69.7345 looks on a white background.

Color Contrast Check

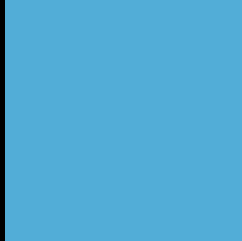
Large Text (above 18pt) WCAG AA × Fail

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 30.6890, 36.5873, 69.7345 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 30.6890, 36.5873, 69.7345

Background



This preview shows how black text looks on a background with the XYZ color 30.6890, 36.5873, 69.7345.

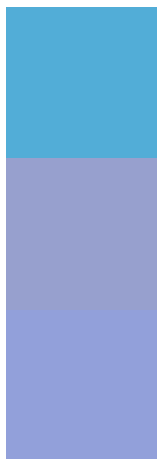


This preview shows how white text looks on a background with the XYZ color 30.6890, 36.5873,

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

30.6890, 36.5873, 69.7345

Protanopia

36.4739, 36.1772, 63.4530

Deuteranopia

37.0798, 36.3146, 71.3848



Tritanopia

27.7246, 36.5455, 54.8830

Trichromacy



Original Color

30.6890, 36.5873, 69.7345

Protanomaly

33.5679, 35.9493, 65.4913

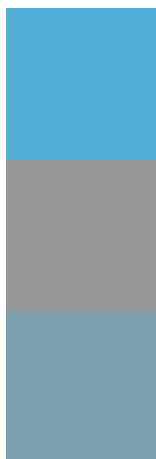
Deuteranomaly

34.1479, 36.1310, 70.8198

Tritanomaly

28.8523, 36.7167, 60.2099

Monochromacy



Original Color

30.6890, 36.5873, 69.7345

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.6423, 32.2879, 44.7670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6890, 36.5873, 69.7345 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(82, 173, 215)` looks like.

```
.text, #text, p{  
    color:rgb(82, 173, 215)  
}
```

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(82, 173, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 173, 215) }
```

Border

The CSS property to change the border of an element to XYZ 30.6890, 36.5873, 69.7345 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(82, 173, 215) }
```


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

```
.border{ border-color:rgb(82, 173, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 173, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 173, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 173, 215);  
box-shadow:4px 4px 4px 4px rgb(82, 173,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6890, 36.5873, 69.7345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 173, 215) }
```

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

```
.background{ background-color: rgb(82, 173,  
215) }
```

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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