

Converting Colors

XYZ(30.4142, 36.5187, 66.4186)

Have a look what the booklet for
XYZ(30.4142, 36.5187, 66.4186)
contains.

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Color

**XYZ(30.4142, 36.5187,
66.4186)**

Conversions

Conversions Part 1

Format	Color
Hex	56ADD2
RGB	86, 173, 210
RGB Percent	34%, 68%, 82%
CMY	0.6627, 0.3216, 0.1765
CMYK	0.59, 0.18, 0.00, 0.18
HSL	198°, 58%, 58%
HSV	198°, 59%, 82%
XYZ	30.4142, 36.5187, 66.4186
YIQ	151.2050, -63.7290, -6.9370

Conversions

Conversions Part 2

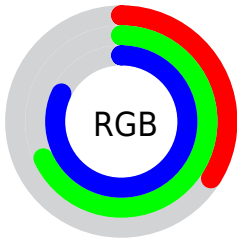
Format	Color
R_{YB}	86, 137, 210
Decimal	5680594
CIE _{Lab}	66.91, -15.40, -26.66
CIE _{LCh}	67, 30.789, 239.994
Yxy	36.5187, 0.2281, 0.2739
Android (android.graphics.Color)	4283870674 (0xFF56ADD2)
YUV	151.2050, 28.9859, -57.1848
Hunter-Lab	60.4307, -15.9164, -22.8634

Details

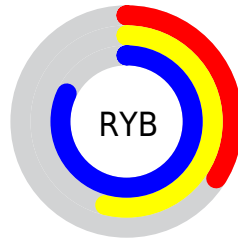
The XYZ color **30.4142, 36.5187, 66.4186** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **35.3423, 28.5410, 12.4517**, and the grayscale version is **29.4037, 30.9350, 33.6882**.

A 20% lighter version of the original color is **57.4705, 68.7265, 104.8443**, and **12.7538, 16.0413, 33.4344** is the 20% darker color. If you saturate the color by 10%, you get **27.5839, 33.3181, 65.9507**, and if you desaturate by 10%, it is **33.8712, 40.1274, 66.9336**.

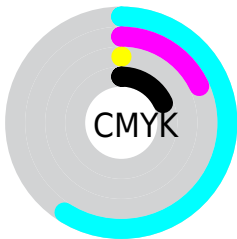
Distribution



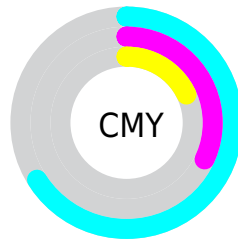
- Red (34%)
- Green (68%)
- Blue (82%)



- Red (34%)
- Yellow (54%)
- Blue (82%)



- Cyan (59%)
- Magenta (18%)
- Yellow (0%)
- Black (18%)



- Cyan (66%)
- Magenta (32%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4142, 36.5187, 66.4186 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 30.4142, 36.5187, 66.4186 by changing the saturation by 10% instead.

■ 30.4142, 36.5187,
66.4186

■ 30.4142, 36.5187,
66.4186

295.7057,
331.2220, 466.3175

■ 20.3028, 24.8351,
48.1537

■ 59.6987, 69.8319,
115.7197

■ 12.7249, 15.9542,
33.5877

■ 79.6026, 92.2303,
147.5928

■ 7.3151, 9.4918,
22.3023

■ 103.5014,
118.9690, 184.8392

■ 3.7080, 5.0633,
13.8787

■ 131.7603,
150.4325, 227.8773

■ 1.5383, 2.2845,
7.8986

164.7449,
187.0052, 277.1256

■ 0.3517, 0.7655,
3.9433

202.8204,

■ 0.0000, 0.0000,

229.0714, 333.0027

1.5943

246.3522,
277.0155, 395.9272

■ 0.0000, 0.0000,
0.2867

■ 0.0000, 0.0000,
0.0000

■ 30.4142, 36.5187,
66.4186

■ 30.4142, 36.5187,
66.4186

■ 27.5839, 33.3181,
65.9507

■ 33.8712, 40.1274,
66.9336

■ 25.3244, 30.4937,
65.5246

■ 37.9972, 44.1651,
67.4955

■ 23.5758, 28.0140,
65.1381

■ 42.8347, 48.6554,
68.1073

■ 22.2382, 25.8264,
64.7864

■ 48.4216, 53.6190,
68.7709

■ 22.1195, 25.6262,
64.7540

■ 54.7929, 59.0750,
69.4882

■ 61.9814, 65.0412,
70.2609

■ 70.0180, 71.5347,
71.0907

■ 78.9318, 78.5715,
71.9791

■ 81.0027, 82.1725,
72.5651

Harmonies

Analogous

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



27.5058, 36.5187, 54.0387



30.4142, 36.5187, 66.4186



34.7090, 36.5187, 71.3851

Triad

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



30.4142, 36.5187, 66.4186



44.4758, 36.5187, 39.7654



30.4157, 36.5187, 21.4040

Complementary

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



30.4142, 36.5187, 66.4186



35.3423, 28.5410, 12.4517

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.



34.7109, 36.5187, 19.2070



30.4142, 36.5187, 66.4186



43.0735, 36.5187, 28.2523

Square

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



30.4142, 36.5187, 66.4186



43.0724, 36.5187, 54.0444



39.3922, 36.5187, 21.4058



27.5066, 36.5187, 28.2486

Rectangle

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



30.4142, 36.5187, 66.4186



37.8685, 36.5187, 69.1221



39.3922, 36.5187, 21.4058



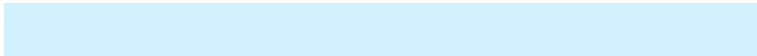
31.7321, 36.5187, 20.1762

Sweetspot

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



30.4154, 36.5200, 66.4195



75.9181, 83.8806, 106.7970



30.3449, 49.4564, 26.0804



15.6707, 17.4481, 22.7918



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.



30.4154, 36.5200, 66.4195



41.7514, 50.4362, 102.1424



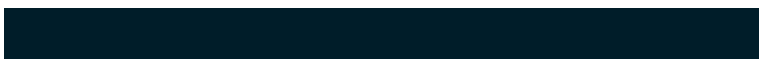
21.3622, 18.4137, 63.4018



11.8481, 12.7866, 15.0872



13.5839, 15.8143, 39.5290



0.8270, 1.0192, 2.2327

Inverse Universe

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



37.4500, 23.3757, 42.0745



54.2253, 30.3668, 58.2473



45.2201, 48.2967, 15.7444



12.1542, 11.9464, 14.0881



19.4872, 9.6677, 18.0038



1.1237, 0.5542, 1.1860

Previews

White Background



This preview shows how the XYZ color 30.4142, 36.5187, 66.4186 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 30.4142, 36.5187, 66.4186 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 30.4142, 36.5187, 66.4186

Background



This preview shows how black text looks on a background with the XYZ color 30.4142, 36.5187, 66.4186.

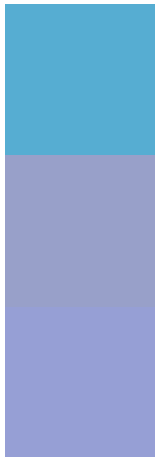


This preview shows how white text looks on a background with the XYZ color 30.4142, 36.5187,

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

30.4142, 36.5187, 66.4186

Protanopia

36.0623, 36.0341, 60.3129

Deuteranopia

36.9861, 36.0844, 67.9664



Tritanopia

28.0712, 36.4320, 54.8428

Trichromacy



Original Color

30.4142, 36.5187, 66.4186

Protanomaly

33.2563, 35.8591, 62.2954

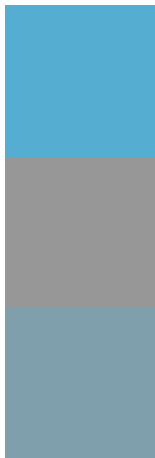
Deuteranomaly

33.9115, 35.8164, 67.4133

Tritanomaly

28.9164, 36.4865, 58.9446

Monochromacy



Original Color

30.4142, 36.5187, 66.4186

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.5969, 32.2869, 43.7545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4142, 36.5187, 66.4186 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(86, 173, 210)` looks like.

```
.text, #text, p{  
    color:rgb(86, 173, 210)  
}
```

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(86, 173, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 173, 210) }
```

Border

The CSS property to change the border of an element to XYZ 30.4142, 36.5187, 66.4186 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(86, 173, 210) }
```


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

```
.border{ border-color:rgb(86, 173, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 173, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 173, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 173, 210);  
box-shadow:4px 4px 4px 4px rgb(86, 173,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4142, 36.5187, 66.4186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 173, 210) }
```

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

```
.background{ background-color: rgb(86, 173,  
210) }
```

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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