

Converting Colors

XYZ(30.6053, 34.5739, 65.8719)

Have a look what the booklet for
XYZ(30.6053, 34.5739, 65.8719)
contains.

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Color

**XYZ(30.7486, 34.7504,
66.0596)**

Conversions

Conversions Part 1

Format	Color
Hex	66A6D2
RGB	102, 166, 210
RGB Percent	40%, 65%, 82%
CMY	0.6000, 0.3490, 0.1765
CMYK	0.51, 0.21, 0.00, 0.18
HSL	204°, 55%, 61%
HSV	204°, 51%, 82%
XYZ	30.7486, 34.7504, 66.0596
YIQ	151.8800, -52.2680, 0.1160

Conversions

Conversions Part 2

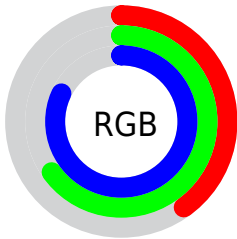
Format	Color
R _Y B	102, 142, 210
Decimal	6727378
CIE Lab	65.55, -8.28, -28.70
CIE LCh	66, 29.874, 253.900
Yxy	34.7504, 0.2337, 0.2641
Android (android.graphics.Color)	4284917458 (0xFF66A6D2)
YUV	151.8800, 28.6532, -43.7448
Hunter-Lab	58.9495, -10.0543, -25.1766

Details

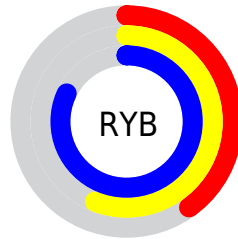
The XYZ color **30.7486, 34.7504, 66.0596** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.2566, 35.2201, 17.3008**, and the grayscale version is **29.6910, 31.2372, 34.0173**.

A 20% lighter version of the original color is **58.2045, 66.3038, 104.3380**, and **12.8482, 14.8726, 33.2039** is the 20% darker color. If you saturate the color by 10%, you get **27.1595, 30.6683, 65.4615**, and if you desaturate by 10%, it is **35.0463, 39.3528, 66.7221**.

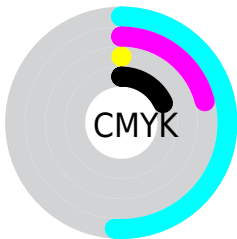
Distribution



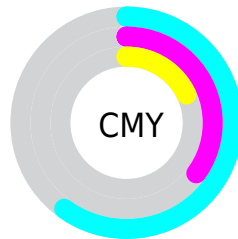
- Red (40%)
- Green (65%)
- Blue (82%)



- Red (40%)
- Yellow (56%)
- Blue (82%)



- Cyan (51%)
- Magenta (21%)
- Yellow (0%)
- Black (18%)



- Cyan (60%)
- Magenta (35%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7486, 34.7504, 66.0596 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 30.7486, 34.7504, 66.0596 by changing the saturation by 10% instead.

■ 30.7486, 34.7504,
66.0596

■ 30.7486, 34.7504,
66.0596

297.2260,
323.4652, 465.0000

■ 20.5584, 23.4707,
47.8640

■ 60.2226, 67.0989,
115.1997

■ 12.9122, 14.9414,
33.3600

■ 80.2371, 88.9365,
146.9813

■ 7.4447, 8.7783,
22.1290

■ 104.2570,
115.0621, 184.1286

■ 3.7905, 4.5969,
13.7525

■ 132.6478,
145.8602, 227.0601

■ 1.5843, 2.0127,
7.8119

165.7747,
181.7152, 276.1945

■ 0.3822, 0.6148,
3.8888

204.0031,

■ 0.0000, 0.0000,

223.0114, 331.9503

1.5645

247.6985,
270.1333, 394.7459

■ 0.0000, 0.0000,
0.2653

■ 0.0000, 0.0000,
0.0000

■ 30.7486, 34.7504,
66.0596

■ 30.7486, 34.7504,
66.0596

■ 27.1595, 30.6683,
65.4615

■ 35.0463, 39.3528,
66.7221

■ 24.2270, 27.0746,
64.9224

■ 40.0925, 44.4969,
67.4490

■ 21.8971, 23.9391,
64.4400

■ 45.9283, 50.2074,
68.2437

■ 20.1040, 21.2248,
64.0106

■ 52.5905, 56.5059,
69.1083

■ 18.8965, 19.1803,
63.6796

■ 60.1134, 63.4128,
70.0450

■ 68.5294, 70.9474,
71.0557

■ 77.8690, 79.1279,
72.1425

■ 82.4234, 85.0139,
73.0385

■ 84.9245, 90.0162,
73.8722

Harmonies

Analogous

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



27.3255, 34.7504, 57.1443



30.7486, 34.7504, 66.0596



35.0937, 34.7504, 66.4077

Triad

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



30.7486, 34.7504, 66.0596



41.8963, 34.7504, 32.3344



27.5275, 34.7504, 22.9845

Complementary

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



30.7486, 34.7504, 66.0596



39.2566, 35.2201, 17.3008

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.



31.0473, 34.7504, 18.9231



30.7486, 34.7504, 66.0596



39.4760, 34.7504, 23.4573

Square

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



30.7486, 34.7504, 66.0596



41.7983, 34.7504, 44.9269



35.4199, 34.7504, 19.0745



25.5813, 34.7504, 31.5357

Rectangle

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



30.7486, 34.7504, 66.0596



37.9520, 34.7504, 61.5917



35.4199, 34.7504, 19.0745



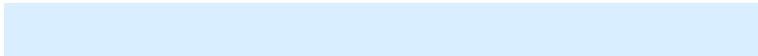
28.5516, 34.7504, 21.1426

Sweetspot

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



30.7498, 34.7517, 66.0604



77.5796, 83.9107, 106.7152



33.6535, 50.9694, 34.9348



16.1325, 17.5137, 22.7802



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.



30.7498, 34.7517, 66.0604



41.5104, 46.8384, 101.4606



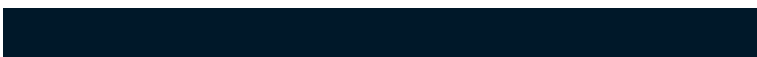
22.9964, 19.2450, 63.4760



11.7377, 12.5656, 15.0504



11.6275, 11.9016, 38.8769



0.7271, 0.8193, 2.1994

Inverse Universe

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



38.2137, 25.9588, 39.0741



54.8642, 33.5344, 52.6344



49.4469, 55.6008, 20.6976



12.0985, 11.9241, 13.7944



18.4998, 9.2727, 12.8038



1.0732, 0.5340, 0.9204

Previews

White Background



This preview shows how the XYZ color 30.7486, 34.7504, 66.0596 looks on a white background.

Color Contrast Check

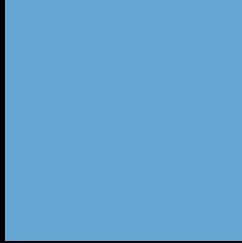
Large Text (above 18pt) WCAG AA × Fail

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 30.7486, 34.7504, 66.0596 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 30.7486, 34.7504, 66.0596

Background



This preview shows how black text looks on a background with the XYZ color 30.7486, 34.7504, 66.0596.

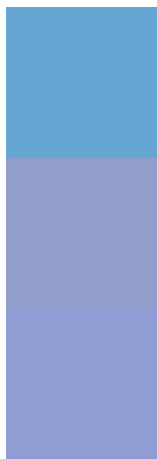


This preview shows how white text looks on a background with the XYZ color 30.7486, 34.7504,

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

30.7486, 34.7504, 66.0596

Protanopia

34.6905, 34.5367, 61.3378

Deuteranopia

35.2737, 34.4597, 67.0796



Tritanopia

27.7288, 34.9137, 50.6249

Trichromacy



Original Color

30.7486, 34.7504, 66.0596

Protanomaly

32.9173, 34.3437, 63.2866

Deuteranomaly

33.3819, 34.5119, 66.5301

Tritanomaly

28.6375, 34.7130, 55.6430

Monochromacy



Original Color

30.7486, 34.7504, 66.0596

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.4313, 32.1994, 44.1991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7486, 34.7504, 66.0596 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(102, 166, 210)` looks like.

```
.text, #text, p{  
    color:rgb(102, 166, 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(102, 166, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 166, 210) }
```

Border

The CSS property to change the border of an element to XYZ 30.7486, 34.7504, 66.0596 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(102, 166, 210) }
```


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

```
.border{ border-color:rgb(102, 166, 210) }
```

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

Here you see how a box with a 4 pixel rgb(102, 166, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 166, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 166, 210);  
box-shadow:4px 4px 4px 4px rgb(102, 166,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7486, 34.7504, 66.0596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 166, 210) }
```

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

```
.background{ background-color: rgb(102,  
166, 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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