

Converting Colors

XYZ(32.7638, 37.5485, 66.5271)

Have a look what the booklet for
XYZ(32.7638, 37.5485, 66.5271)
contains.

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Color

**XYZ(32.6921, 37.4094,
66.4704)**

Conversions

Conversions Part 1

Format	Color
Hex	6DACD2
RGB	109, 172, 210
RGB Percent	43%, 67%, 82%
CMY	0.5725, 0.3255, 0.1765
CMYK	0.48, 0.18, 0.00, 0.18
HSL	203°, 53%, 63%
HSV	203°, 48%, 82%
XYZ	32.6921, 37.4094, 66.4704
YIQ	157.4950, -49.7460, -1.5380

Conversions

Conversions Part 2

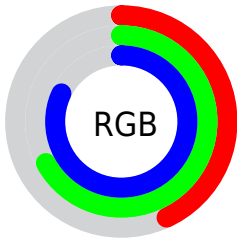
Format	Color
RYB	109, 148, 210
Decimal	7187666
CIELab	67.58, -9.95, -25.55
CIELCh	68, 27.421, 248.732
Yxy	37.4094, 0.2394, 0.2739
Android (android.graphics.Color)	4285377746 (0xFF6DACD2)
YUV	157.4950, 25.8850, -42.5301
Hunter-Lab	61.1632, -11.6264, -21.6204

Details

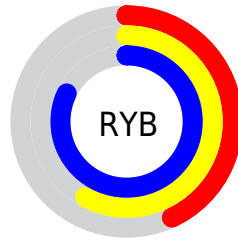
The XYZ color **32.6921, 37.4094, 66.4704** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.7735, 35.6745, 19.2590**, and the grayscale version is **32.1749, 33.8505, 36.8632**.

A 20% lighter version of the original color is **61.0361, 70.1575, 104.9325**, and **13.9981, 16.5033, 33.4580** is the 20% darker color. If you saturate the color by 10%, you get **28.9516, 33.3155, 65.8780**, and if you desaturate by 10%, it is **37.1415, 42.0031, 67.1232**.

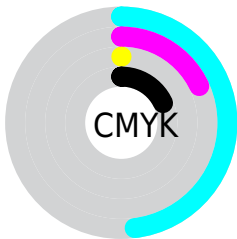
Distribution



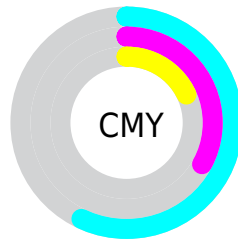
- Red (43%)
- Green (67%)
- Blue (82%)



- Red (43%)
- Yellow (58%)
- Blue (82%)



- Cyan (48%)
- Magenta (18%)
- Yellow (0%)
- Black (18%)



- Cyan (57%)
- Magenta (33%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6921, 37.4094, 66.4704 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 32.6921, 37.4094, 66.4704 by changing the saturation by 10% instead.

■ 32.6921, 37.4094,
66.4704

■ 32.6921, 37.4094,
66.4704

305.9496,
335.0796, 466.5074

■ 22.0488, 25.5246,
48.1955

■ 63.2524, 71.2020,
115.7947

■ 14.0096, 16.4684,
33.6206

■ 83.9001, 93.8786,
147.6811

■ 8.2091, 9.8562,
22.3273

■ 108.6134,
120.9213, 184.9417

■ 4.2819, 5.3037,
13.8970

137.7575,
152.7145, 227.9951

■ 1.8628, 2.4265,
7.9111

171.6978,
189.6425, 277.2598

■ 0.5551, 0.8395,
3.9512

210.7997,

■ 0.0000, 0.0000,

232.0897, 333.1544

1.5986

255.4285,
280.4407, 396.0974

■ 0.0000, 0.0000,
0.2898

■ 0.0000, 0.0000,
0.0000

■ 32.6921, 37.4094,
66.4704

■ 32.6921, 37.4094,
66.4704

■ 28.9516, 33.3155,
65.8780

■ 37.1415, 42.0031,
67.1232

■ 25.8702, 29.6910,
65.3408

■ 42.3380, 47.1161,
67.8363

■ 23.3969, 26.5081,
64.8568

■ 48.3210, 52.7717,
68.6126

■ 21.4705, 23.7328,
64.4227

■ 55.1262, 58.9904,
69.4542

■ 20.0020, 21.3169,
64.0338

■ 62.7868, 65.7914,
70.3632

■ 19.7481, 20.8834,
63.9635

■ 71.3341, 73.1929,
71.3413

■ 80.4268, 81.0209,
72.3731

■ 82.6417, 85.4506,
73.1113

■ 84.9570, 90.0812,
73.8831

Harmonies

Analogous

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



29.5917, 37.4094, 57.0817



32.6921, 37.4094, 66.4704



36.8034, 37.4094, 68.3085

Triad

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



32.6921, 37.4094, 66.4704



44.2002, 37.4094, 37.3034



30.7147, 37.4094, 25.1532

Complementary

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



32.6921, 37.4094, 66.4704



39.7735, 35.6745, 19.2590

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.



34.3381, 37.4094, 21.8014



32.6921, 37.4094, 66.4704



42.2734, 37.4094, 27.8474

Square

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



32.6921, 37.4094, 66.4704



43.6719, 37.4094, 49.7622



38.5835, 37.4094, 22.6792



28.5145, 37.4094, 32.8670

Rectangle

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



32.6921, 37.4094, 66.4704



39.6040, 37.4094, 64.7129



38.5835, 37.4094, 22.6792



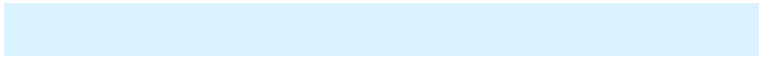
31.7947, 37.4094, 23.5561

Sweetspot

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



32.6933, 37.4108, 66.4713



78.9776, 85.5743, 106.9627



34.5453, 51.4217, 35.3138



16.4245, 17.8748, 22.8345



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.



32.6933, 37.4108, 66.4713



44.6306, 51.3623, 102.1694



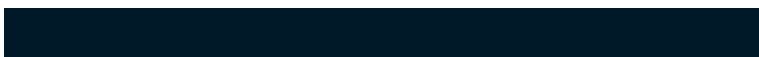
24.9578, 21.9398, 63.8928



11.7691, 12.6285, 15.0609



12.1454, 12.9373, 39.0495



0.7541, 0.8733, 2.2084

Inverse Universe

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



39.4945, 27.6188, 42.2805



56.8582, 35.9363, 58.1886



49.2000, 54.5276, 22.4012



12.1143, 11.9305, 13.8779



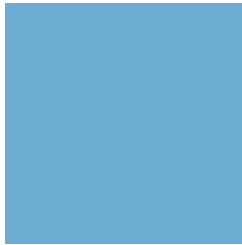
18.7611, 9.3773, 14.1802



1.0869, 0.5395, 0.9922

Previews

White Background



This preview shows how the XYZ color 32.6921, 37.4094, 66.4704 looks on a white background.

Color Contrast Check

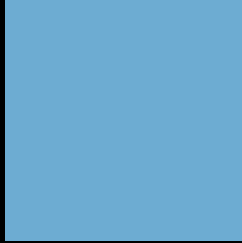
Large Text (above 18pt) WCAG AA × Fail

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 32.6921, 37.4094, 66.4704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

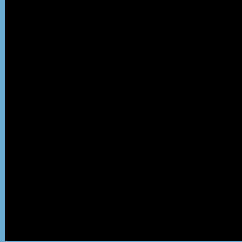
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.6921, 37.4094, 66.4704

Background



This preview shows how black text looks on a background with the XYZ color 32.6921, 37.4094, 66.4704.

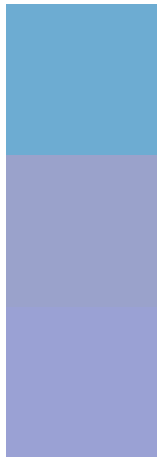


This preview shows how white text looks on a background with the XYZ color 32.6921, 37.4094,

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

32.6921, 37.4094, 66.4704

Protanopia

37.0262, 37.0225, 61.6945

Deuteranopia

37.9550, 37.1132, 67.4505



Tritanopia

30.4131, 37.6519, 54.3798

Trichromacy



Original Color

32.6921, 37.4094, 66.4704

Protanomaly

35.2580, 37.1319, 63.7014

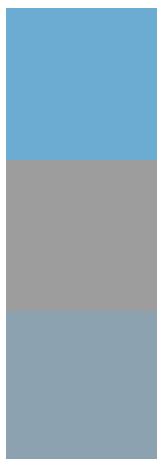
Deuteranomaly

35.6942, 37.0167, 66.8917

Tritanomaly

31.2337, 37.6944, 58.4529

Monochromacy



Original Color

32.6921, 37.4094, 66.4704

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.5720, 34.5507, 46.0792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6921, 37.4094, 66.4704 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(109, 172, 210)` looks like.

```
.text, #text, p{  
    color:rgb(109, 172, 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(109, 172, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 172, 210) }
```

Border

The CSS property to change the border of an element to XYZ 32.6921, 37.4094, 66.4704 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(109, 172, 210) }
```


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

```
.border{ border-color:rgb(109, 172, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 172, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 172, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 172, 210);  
box-shadow:4px 4px 4px 4px rgb(109, 172,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6921, 37.4094, 66.4704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 172, 210) }
```

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

```
.background{ background-color: rgb(109,  
172, 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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