

Converting Colors

XYZ(30.4428, 33.1013, 67.4822)

Have a look what the booklet for
XYZ(30.4428, 33.1013, 67.4822)
contains.

XYZ(30.4067, 32.9490, 67.7080)	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(30.4067, 32.9490,
67.7080)**

Conversions

Conversions Part 1

Format	Color
Hex	69A0D5
RGB	105, 160, 213
RGB Percent	41%, 63%, 84%
CMY	0.5882, 0.3725, 0.1647
CMYK	0.51, 0.25, 0.00, 0.16
HSL	209°, 56%, 62%
HSV	209°, 51%, 84%
XYZ	30.4067, 32.9490, 67.7080
YIQ	149.5970, -49.7930, 4.8230

Conversions

Conversions Part 2

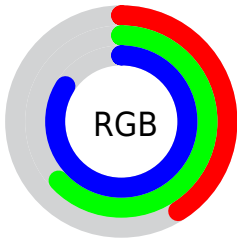
Format	Color
RYB	105, 141, 213
Decimal	6922453
CIELab	64.12, -3.38, -32.57
CIElCh	64, 32.747, 264.077
Yxy	32.9490, 0.2320, 0.2514
Android (android.graphics.Color)	4285112533 (0xFF69A0D5)
YUV	149.5970, 31.2577, -39.1116
Hunter-Lab	57.4012, -5.8967, -29.7551

Details

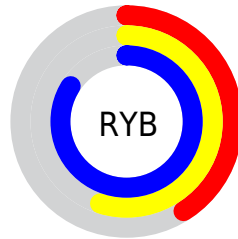
The XYZ color **30.4067, 32.9490, 67.7080** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **42.2182, 39.6209, 18.7882**, and the grayscale version is **28.7069, 30.2019, 32.8899**.

A 20% lighter version of the original color is **57.2507, 63.5023, 103.8475**, and **12.7224, 13.9638, 34.3725** is the 20% darker color. If you saturate the color by 10%, you get **26.4747, 28.3446, 67.0271**, and if you desaturate by 10%, it is **35.1198, 38.1835, 68.4706**.

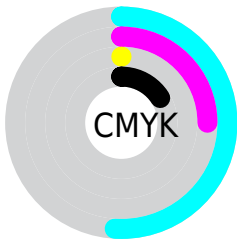
Distribution



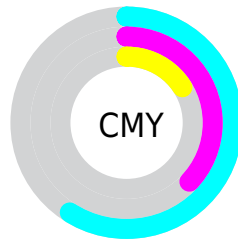
- Red (41%)
- Green (63%)
- Blue (84%)



- Red (41%)
- Yellow (55%)
- Blue (84%)



- Cyan (51%)
- Magenta (25%)
- Yellow (0%)
- Black (16%)



- Cyan (59%)
- Magenta (37%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4067, 32.9490, 67.7080 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 30.4067, 32.9490, 67.7080 by changing the saturation by 10% instead.

■ 30.4067, 32.9490,
67.7080

■ 30.4067, 32.9490,
67.7080

295.6715,
315.4199, 471.0307

■ 20.2971, 22.0874,
49.1950

■ 59.6870, 64.2959,
117.5846

■ 12.7207, 13.9211,
34.4075

■ 79.5884, 85.5500,
149.7852

■ 7.3122, 8.0658,
22.9269

■ 103.4844,
111.0370, 187.3856

■ 3.7061, 4.1371,
14.3348

■ 131.7404,
141.1413, 230.8041

■ 1.5373, 1.7505,
8.2125

164.7218,
176.2474, 280.4593

■ 0.3510, 0.4561,
4.1415

202.7938,

■ 0.0000, 0.0000,

216.7396, 336.7698

1.7033

246.3220,
263.0023, 400.1541

■ 0.0000, 0.0000,
0.3630

■ 0.0000, 0.0000,
0.0000

■ 30.4067, 32.9490,
67.7080

■ 30.4067, 32.9490,
67.7080

■ 26.4747, 28.3446,
67.0271

■ 35.1198, 38.1835,
68.4706

■ 23.2691, 24.3348,
66.4221

■ 40.6569, 44.0737,
69.3157

■ 20.7324, 20.8847,
65.8899

■ 47.0617, 50.6479,
70.2470

■ 18.7959, 17.9528,
65.4260

■ 54.3736, 57.9314,
71.2675

■ 17.4229, 15.6293,
65.0499

■ 62.6294, 65.9481,
72.3798

■ 71.8637, 74.7205,
73.5863

■ 82.1096, 84.2702,
74.8896

■ 85.4884, 90.5401,
75.9217

■ 88.7169, 96.9972,
76.9979

Harmonies

Analogous

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



26.3757, 32.9490, 60.7576



30.4067, 32.9490, 67.7080



35.0939, 32.9490, 64.5756

Triad

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



30.4067, 32.9490, 67.7080



40.1752, 32.9490, 26.4412



24.6424, 32.9490, 22.8922

Complementary

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



30.4067, 32.9490, 67.7080



42.2182, 39.6209, 18.7882

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.



27.8213, 32.9490, 17.2595



30.4067, 32.9490, 67.7080



36.8400, 32.9490, 18.9270

Square

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



30.4067, 32.9490, 67.7080



41.0403, 32.9490, 38.5736



32.2454, 32.9490, 16.0116



23.2653, 32.9490, 33.3069

Rectangle

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



30.4067, 32.9490, 67.7080



37.9320, 32.9490, 57.5041



32.2454, 32.9490, 16.0116



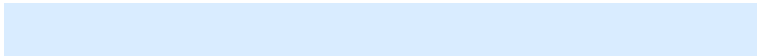
25.5197, 32.9490, 20.4908

Sweetspot

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



30.4078, 32.9502, 67.7088



76.6525, 82.0564, 106.4062



35.7238, 53.0338, 40.3428



15.9092, 17.0671, 22.7057



0.0000, 0.0000, 0.0000



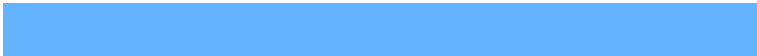
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.4078, 32.9502, 67.7088



39.2980, 42.0043, 100.6442



23.0739, 18.2823, 65.2641



12.2602, 13.0438, 15.8090



10.7452, 9.7521, 39.7692



0.7309, 0.7537, 2.4263

Inverse Universe

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



38.8383, 26.7885, 36.3826



53.8475, 33.5103, 46.1007



53.3351, 61.8548, 22.4939



12.6845, 12.5253, 14.2790



18.4825, 9.3293, 9.8450



1.1566, 0.5794, 0.8138

Previews

White Background



This preview shows how the XYZ color 30.4067, 32.9490, 67.7080 looks on a white background.

Color Contrast Check

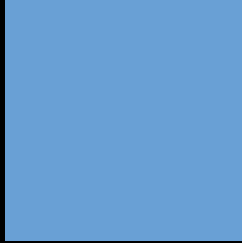
Large Text (above 18pt) WCAG AA × Fail

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 30.4067, 32.9490, 67.7080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

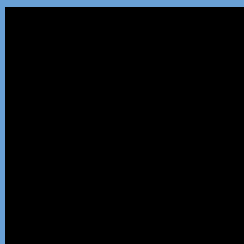
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

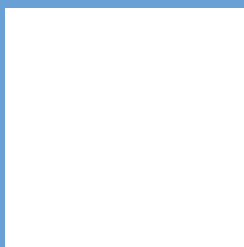
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.4067, 32.9490, 67.7080

Background



This preview shows how black text looks on a background with the XYZ color 30.4067, 32.9490, 67.7080.

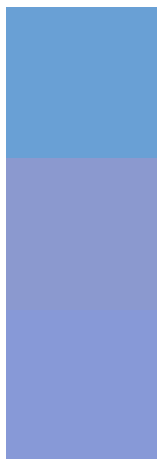


This preview shows how white text looks on a background with the XYZ color 30.4067, 32.9490,

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

30.4067, 32.9490, 67.7080

Protanopia

33.3012, 32.7764, 63.6028

Deuteranopia

33.6486, 32.8397, 68.8552



Tritanopia

26.4905, 32.9474, 48.1433

Trichromacy



Original Color

30.4067, 32.9490, 67.7080

Protanomaly

32.1495, 32.8924, 64.9760

Deuteranomaly

32.3382, 32.9171, 68.2675

Tritanomaly

27.8269, 32.9534, 54.7632

Monochromacy



Original Color

30.4067, 32.9490, 67.7080

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.9299, 31.1967, 44.0320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4067, 32.9490, 67.7080 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(105, 160, 213)` looks like.

```
.text, #text, p{  
    color:rgb(105, 160, 213)  
}
```

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(105, 160, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 160, 213) }
```

Border

The CSS property to change the border of an element to XYZ 30.4067, 32.9490, 67.7080 is called "border". The border property can be set on classes, ids or directly on the HTML element.

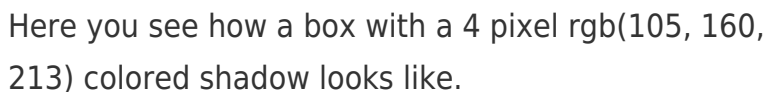
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 160, 213) }
```


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

```
.border{ border-color:rgb(105, 160, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 160, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 160, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 160, 213);  
box-shadow:4px 4px 4px 4px rgb(105, 160,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4067, 32.9490, 67.7080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 160, 213) }
```

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

```
.background{ background-color: rgb(105,  
160, 213) }
```

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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