

Converting Colors

XYZ(30.0329, 32.3990, 48.4181)

Have a look what the booklet for
XYZ(30.0329, 32.3990, 48.4181)
contains.

XYZ(30.0703, 32.4367, 48.3921)	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(30.0703, 32.4367,
48.3921)**

Conversions

Conversions Part 1

Format	Color
Hex	859DB5
RGB	133, 157, 181
RGB Percent	52%, 62%, 71%
CMY	0.4784, 0.3843, 0.2902
CMYK	0.27, 0.13, 0.00, 0.29
HSL	210°, 24%, 62%
HSV	210°, 27%, 71%
XYZ	30.0703, 32.4367, 48.3921
YIQ	152.5600, -22.0080, 2.3760

Conversions

Conversions Part 2

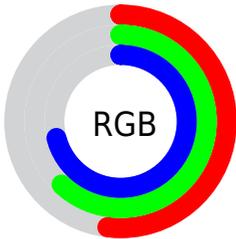
Format	Color
R_{YB}	133, 149, 181
Decimal	8756661
CIE _{Lab}	63.70, -2.85, -15.21
CIE _{LCh}	64, 15.475, 259.403
Yxy	32.4367, 0.2712, 0.2925
Android (android.graphics.Color)	4286946741 (0xFF859DB5)
YUV	152.5600, 14.0209, -17.1541
Hunter-Lab	56.9532, -5.4233, -10.5104

Details

The XYZ color **30.0703, 32.4367, 48.3921** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.3470, 35.6312, 27.2055**, and the grayscale version is **30.0360, 31.6002, 34.4126**.

A 20% lighter version of the original color is **59.0738, 63.2678, 89.2191**, and **12.5300, 13.6604, 22.3984** is the 20% darker color. If you saturate the color by 10%, you get **25.9806, 28.1398, 47.7788**, and if you desaturate by 10%, it is **34.7678, 37.2169, 49.0677**.

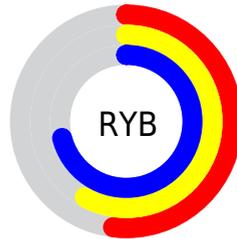
Distribution



Red (52%)

Green (62%)

Blue (71%)



Red (52%)

Yellow (58%)

Blue (71%)

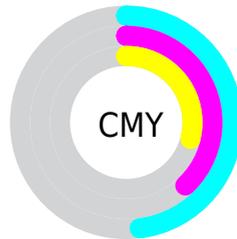


Cyan (27%)

Magenta (13%)

Yellow (0%)

Black (29%)



Cyan (48%)

Magenta (38%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0703, 32.4367, 48.3921 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 30.0703, 32.4367, 48.3921 by changing the saturation by 10% instead.

■ 30.0703, 32.4367,
48.3921

■ 30.0703, 32.4367,
48.3921

294.1359,
313.1038, 396.8977

■ 20.0403, 21.6953,
33.7753

■ 59.1592, 63.4951,
89.1595

■ 12.5328, 13.6332,
22.4451

■ 78.9488, 84.5808,
116.1473

■ 7.1824, 7.8660,
13.9829

■ 102.7223,
109.8834, 148.0957

■ 3.6238, 4.0093,
7.9701

130.8451,
139.7874, 185.4234

■ 1.4916, 1.6788,
3.9883

163.6825,
174.6769, 228.5489

■ 0.3201, 0.4099,
1.6190

201.5999,

■ 0.0000, 0.0000,

214.9366, 277.8908

0.3043

244.9626,
260.9508, 333.8675

■ 0.0000, 0.0000,
0.0000

■ 30.0703, 32.4367,
48.3921

■ 30.0703, 32.4367,
48.3921

■ 25.9806, 28.1398,
47.7788

■ 34.7678, 37.2169,
49.0677

■ 22.4681, 24.3044,
47.2236

■ 40.0960, 42.4933,
49.8054

■ 19.5037, 20.9125,
46.7252

■ 46.0801, 48.2831,
50.6075

■ 17.0544, 17.9433,
46.2812

■ 52.7430, 54.6014,
51.4759

■ 15.0834, 15.3738,
45.8891

■ 60.1064, 61.4627,
52.4122

■ 13.5481, 13.1777,
45.5461

■ 68.1910, 68.8807,
53.4179

■ 12.3918, 11.3216,
45.2488

■ 75.2655, 75.9660,
54.4126

■ 12.0397, 10.7344,
45.1540

■ 77.7102, 80.8555,
55.2275

■ 80.2856, 86.0063,
56.0860

Harmonies

Analogous

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



28.1978, 32.4367, 45.1744



30.0703, 32.4367, 48.3921



32.2350, 32.4367, 47.8095

Triad

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



30.0703, 32.4367, 48.3921



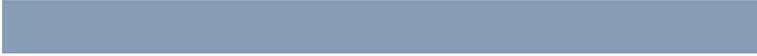
34.9289, 32.4367, 31.5007



27.7737, 32.4367, 28.1089

Complementary

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



30.0703, 32.4367, 48.3921



35.3470, 35.6312, 27.2055

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.



29.4667, 32.4367, 25.2172



30.0703, 32.4367, 48.3921



33.6214, 32.4367, 27.0110

Square

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



30.0703, 32.4367, 48.3921



35.1092, 32.4367, 37.5580



31.6026, 32.4367, 24.8403



26.9137, 32.4367, 33.1690

Rectangle

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



30.0703, 32.4367, 48.3921



33.5510, 32.4367, 45.3630



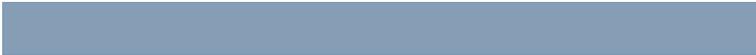
31.6026, 32.4367, 24.8403



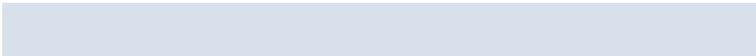
28.2605, 32.4367, 26.8776

Sweetspot

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



30.0713, 32.4380, 48.3928



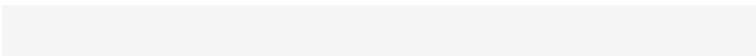
70.1908, 74.5161, 88.9782



32.2151, 40.4420, 37.6502



14.8535, 15.7935, 19.1878



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



30.0713, 32.4380, 48.3928



49.3221, 53.3629, 85.9951



26.5115, 25.3184, 47.2062



8.3813, 8.9088, 10.7842



8.3692, 7.5388, 31.1510



0.3217, 0.3539, 0.9996

Inverse Universe

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



33.5302, 29.0339, 35.7366



56.7039, 46.6067, 58.8708



39.6519, 44.2411, 28.6405



8.6676, 8.5738, 9.7483



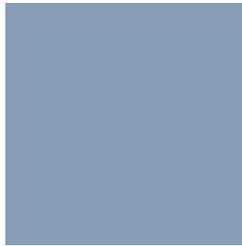
14.4590, 7.3012, 7.5772



0.4844, 0.2415, 0.3935

Previews

White Background



This preview shows how the XYZ color 30.0703, 32.4367, 48.3921 looks on a white background.

Color Contrast Check

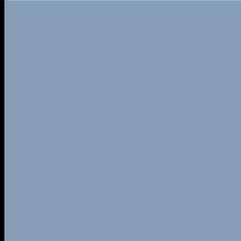
Large Text (above 18pt) WCAG AA × Fail

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 30.0703, 32.4367, 48.3921 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

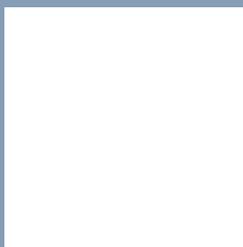
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0703, 32.4367, 48.3921

Background



This preview shows how black text looks on a background with the XYZ color 30.0703, 32.4367, 48.3921.



This preview shows how white text looks on a background with the XYZ color 30.0703, 32.4367,

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

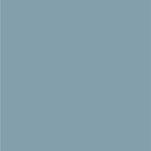
30.0703, 32.4367, 48.3921

Protanopia

31.8215, 32.3864, 46.6935

Deuteranopia

32.8674, 32.1587, 48.7309



Tritanopia

29.1089, 32.5618, 43.2789

Trichromacy



Original Color

30.0703, 32.4367, 48.3921

Protanomaly

31.0200, 32.2055, 47.2292

Deuteranomaly

31.8674, 32.3629, 48.8230

Tritanomaly

29.4804, 32.4544, 45.2680

Monochromacy



Original Color

30.0703, 32.4367, 48.3921

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.0205, 31.8665, 39.2189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0703, 32.4367, 48.3921 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(133, 157, 181)` looks like.

```
.text, #text, p{  
    color:rgb(133, 157, 181)  
}
```

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(133, 157, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 157, 181) }
```

Border

The CSS property to change the border of an element to XYZ 30.0703, 32.4367, 48.3921 is called "border". The border property can be set on classes, ids or directly on the HTML element.

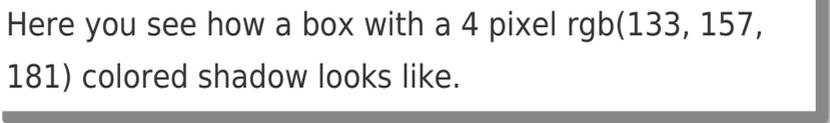
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(133, 157, 181) }
```

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

```
.border{ border-color:rgb(133, 157, 181) }
```

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



Here you see how a box with a 4 pixel `rgb(133, 157, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 157, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 157, 181); box-shadow:4px 4px 4px 4px rgb(133, 157, 181) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0703, 32.4367, 48.3921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 157, 181) }
```

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

```
.background{ background-color: rgb(133,  
157, 181) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor