

Converting Colors

XYZ(16.0012, 14.0579, 33.6835)

Have a look what the booklet for
XYZ(16.0012, 14.0579, 33.6835)
contains.

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Color

**XYZ(16.0470, 14.0533,
33.7651)**

Conversions

Conversions Part 1

Format	Color
Hex	67629D
RGB	103, 98, 157
RGB Percent	40%, 38%, 62%
CMY	0.5961, 0.6157, 0.3843
CMYK	0.34, 0.38, 0.00, 0.38
HSL	245°, 23%, 50%
HSV	245°, 38%, 62%
XYZ	16.0470, 14.0533, 33.7651
YIQ	106.2210, -15.9590, 19.4090

Conversions

Conversions Part 2

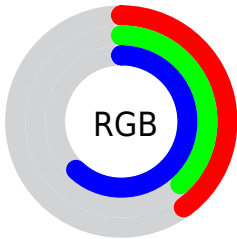
Format	Color
R _Y B	103, 98, 157
Decimal	6775453
CIE Lab	44.31, 16.39, -31.39
CIE LCh	44, 35.414, 297.575
Yxy	14.0533, 0.2513, 0.2200
Android (android.graphics.Color)	4284965533 (0xFF67629D)
YUV	106.2210, 25.0340, -2.8248
Hunter-Lab	37.4877, 10.8052, -27.1609

Details

The XYZ color **16.0470, 14.0533, 33.7651** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.2109, 31.6715, 16.2349**, and the grayscale version is **13.6972, 14.4106, 15.6931**.

A 20% lighter version of the original color is **36.3414, 33.3163, 66.8026**, and **5.2460, 4.2328, 13.9051** is the 20% darker color. If you saturate the color by 10%, you get **13.2106, 10.6203, 33.2522**, and if you desaturate by 10%, it is **19.4558, 18.2096, 34.3879**.

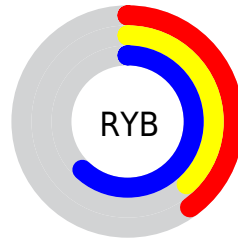
Distribution



Red (40%)

Green (38%)

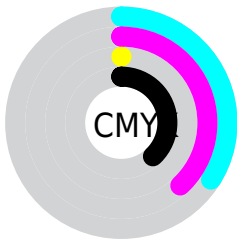
Blue (62%)



Red (40%)

Yellow (38%)

Blue (62%)

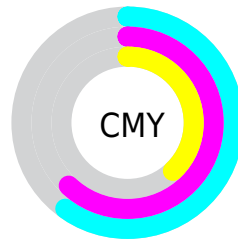


Cyan (34%)

Magenta (38%)

Yellow (0%)

Black (38%)



Cyan (60%)

Magenta (62%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0470, 14.0533, 33.7651 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 16.0470, 14.0533, 33.7651 by changing the saturation by 10% instead.

■ 16.0470, 14.0533,
33.7651

■ 16.0470, 14.0533,
33.7651

222.8838,
217.5622, 333.8205

■ 9.6485, 8.1577,
22.4373

■ 36.2366, 33.1836,
66.6979

■ 5.2270, 4.1961,
13.9772

■ 50.7583, 47.1871,
89.1400

■ 2.4172, 1.7838,
7.9662

■ 68.7185, 64.6620,
116.1240

■ 0.8537, 0.4771,
3.9859

■ 90.4825, 85.9928,
148.0684

■ 0.0000, 0.0000,
1.6176

116.4157,
111.5638, 185.3916

■ 0.0000, 0.0000,
0.3033

146.8834,

■ 0.0000, 0.0000,

141.7594, 228.5124

0.0000

182.2510,
176.9641, 277.8492

■ 16.0470, 14.0533,
33.7651

■ 16.0470, 14.0533,
33.7651

■ 13.2106, 10.6203,
33.2522

■ 19.4558, 18.2096,
34.3879

■ 10.9138, 7.8678,
32.8420

■ 23.4645, 23.1258,
35.1256

■ 9.1224, 5.7508,
32.5278

■ 28.1007, 28.8376,
35.9837

■ 7.7982, 4.2182,
32.3017

■ 33.3897, 35.3783,
36.9674

■ 6.8970, 3.2110,
32.1548

■ 39.3555, 42.7791,
38.0815

■ 6.3545, 2.6341,
32.0721

■ 46.0208, 51.0696,
39.3304

■ 6.2564, 2.5222,
32.0557

■ 53.4074, 60.2781,
40.7185

■ 61.5360, 70.4315,
42.2499

■ 70.4265, 81.5557,
43.9285

Harmonies

Analogous

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



13.1276, 14.0533, 36.8404



16.0470, 14.0533, 33.7651



18.5154, 14.0533, 25.3090

Triad

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



16.0470, 14.0533, 33.7651



16.5035, 14.0533, 5.5351



8.6117, 14.0533, 14.6495

Complementary

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



16.0470, 14.0533, 33.7651



27.2109, 31.6715, 16.2349

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.



9.2588, 14.0533, 8.3562



16.0470, 14.0533, 33.7651



13.5896, 14.0533, 4.3936

Square

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



16.0470, 14.0533, 33.7651



18.8041, 14.0533, 9.1454



10.9862, 14.0533, 5.2059



9.0791, 14.0533, 23.7399

Rectangle

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



16.0470, 14.0533, 33.7651



19.4292, 14.0533, 18.9182



10.9862, 14.0533, 5.2059



8.7038, 14.0533, 12.1781

Sweetspot

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



16.0475, 14.0538, 33.7654



47.1755, 47.7596, 63.8588



22.3650, 27.5149, 36.0307



10.1523, 10.2277, 14.0094



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.0475, 14.0538, 33.7654



24.4582, 19.9838, 59.6949



20.0350, 16.1095, 33.9520



6.3343, 6.4608, 8.3199



5.0958, 2.0560, 26.0355



0.1046, 0.0437, 0.4662

Inverse Universe

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



23.9402, 18.1710, 31.9517



40.7070, 28.4655, 55.7052



22.3709, 29.1764, 16.0084



6.8799, 6.7449, 8.2187



15.3694, 7.4523, 21.9942



0.2812, 0.1358, 0.4270

Previews

White Background



This preview shows how the XYZ color 16.0470, 14.0533, 33.7651 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 16.0470, 14.0533, 33.7651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.0470, 14.0533, 33.7651

Background



This preview shows how black text looks on a background with the XYZ color 16.0470, 14.0533, 33.7651.



This preview shows how white text looks on a background with the XYZ color 16.0470, 14.0533,

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

16.0470, 14.0533, 33.7651

Protanopia

14.9394, 14.1585, 35.6637

Deuteranopia

14.4307, 14.0948, 33.4125



Tritanopia

12.9683, 14.1329, 18.2641

Trichromacy



Original Color

16.0470, 14.0533, 33.7651

Protanomaly

15.3132, 14.0696, 35.1663

Deuteranomaly

14.9686, 14.0767, 33.3806

Tritanomaly

13.9093, 14.0537, 23.0986

Monochromacy



Original Color

16.0470, 14.0533, 33.7651

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.3776, 14.1844, 21.3821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0470, 14.0533, 33.7651 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(103, 98, 157)` looks like.

```
.text, #text, p{  
    color:rgb(103, 98, 157)  
}
```

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(103, 98, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 98, 157) }
```

Border

The CSS property to change the border of an element to XYZ 16.0470, 14.0533, 33.7651 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(103, 98, 157) }
```


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

```
.border{ border-color:rgb(103, 98, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 98, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 98, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 98, 157);  
box-shadow:4px 4px 4px 4px rgb(103, 98,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0470, 14.0533, 33.7651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 98, 157) }
```

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

```
.background{ background-color: rgb(103, 98,  
157) }
```

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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