

Converting Colors

XYZ(16.4342, 18.3484, 6.9504)

Have a look what the booklet for
XYZ(16.4342, 18.3484, 6.9504)
contains.

XYZ(16.4342, 18.3484, 6.9504)	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(16.4342, 18.3484,
6.9504)**

Conversions

Conversions Part 1

Format	Color
Hex	80783C
RGB	128, 120, 60
RGB Percent	50%, 47%, 24%
CMY	0.4980, 0.5294, 0.7647
CMYK	0.00, 0.06, 0.53, 0.50
HSL	53°, 36%, 37%
HSV	53°, 53%, 50%
XYZ	16.4342, 18.3484, 6.9504
YIQ	115.5520, 24.0280, -16.9640

Conversions

Conversions Part 2

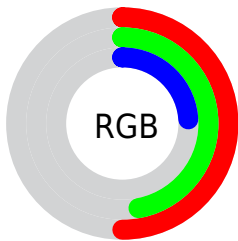
Format	Color
RYB	69, 128, 60
Decimal	8419388
CIELab	49.92, -5.57, 33.72
CIELCh	50, 34.174, 99.378
Yxy	18.3484, 0.3938, 0.4397
Android (android.graphics.Color)	4286609468 (0xFF80783C)
YUV	115.5520, -27.3871, 10.9169
Hunter-Lab	42.8350, -6.4775, 20.3641

Details

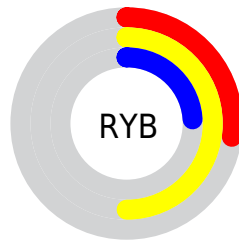
The XYZ color **16.4342, 18.3484, 6.9504** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.8269, 6.6533, 21.2937**, and the grayscale version is **16.5397, 17.4011, 18.9498**.

A 20% lighter version of the original color is **36.8042, 40.5543, 20.3560**, and **5.4506, 6.2416, 1.2982** is the 20% darker color. If you saturate the color by 10%, you get **15.9565, 17.8706, 5.3191**, and if you desaturate by 10%, it is **16.9975, 18.8663, 9.0146**.

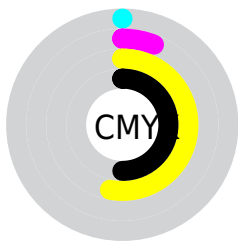
Distribution



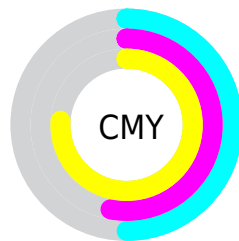
- Red (50%)
- Green (47%)
- Blue (24%)



- Red (27%)
- Yellow (50%)
- Blue (24%)



- Cyan (0%)
- Magenta (6%)
- Yellow (53%)
- Black (50%)



- Cyan (50%)
- Magenta (53%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4342, 18.3484, 6.9504 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 16.4342, 18.3484, 6.9504 by changing the saturation by 10% instead.

■ 16.4342, 18.3484,
6.9504

■ 16.4342, 18.3484,
6.9504

■ 225.1108,
242.8275, 176.8662

■ 9.9247, 11.2004,
3.3531

■ 36.9018, 40.6301,
20.3845

■ 5.4110, 6.2018,
1.2776

■ 51.5905, 56.5326,
31.0585

■ 2.5276, 2.9682,
0.0434

■ 69.7365, 76.1221,
44.9284

■ 0.9092, 1.1151,
0.0000

■ 91.7049, 99.7829,
62.4127

■ 0.0000, 0.0000,
0.0000

■ 117.8612,
127.8994, 83.9302

■ 148.5707,

160.8561, 109.8992

184.1988,
199.0374, 140.7384

■ 16.4342, 18.3484,
6.9504

■ 16.4342, 18.3484,
6.9504

■ 15.9565, 17.8706,
5.3191

■ 16.9975, 18.8663,
9.0146

■ 15.5571, 17.4280,
4.0879

■ 17.6505, 19.4241,
11.5392

■ 15.2296, 17.0186,
3.2213

■ 18.3986, 20.0245,
14.5504

■ 14.9657, 16.6392,
2.6757

■ 19.2464, 20.6693,
18.0724

■ 14.8014, 16.3877,
2.3830

■ 20.1983, 21.3604,
22.1278

■ 21.2581, 22.0994,
26.7376

■ 22.4298, 22.8878,
31.9219

■ 23.7169, 23.7270,
37.6997

■ 25.1229, 24.6185,
44.0892

Harmonies

Analogous

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



19.7513, 18.3484, 7.4124



16.4342, 18.3484, 6.9504



13.7441, 18.3484, 9.0344

Triad

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



16.4342, 18.3484, 6.9504



13.0135, 18.3484, 33.7323



24.0172, 18.3484, 27.0220

Complementary

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



16.4342, 18.3484, 6.9504



7.8269, 6.6533, 21.2937

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.



21.7444, 18.3484, 37.3984



16.4342, 18.3484, 6.9504



15.3157, 18.3484, 42.0385

Square

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



16.4342, 18.3484, 6.9504



11.9384, 18.3484, 23.0611



18.4852, 18.3484, 43.5573



24.4144, 18.3484, 17.1832

Rectangle

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



16.4342, 18.3484, 6.9504



12.5654, 18.3484, 12.1323



18.4852, 18.3484, 43.5573



23.4348, 18.3484, 30.6366

Sweetspot

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



16.4346, 18.3493, 6.9508



33.3824, 36.0145, 29.7063



11.5943, 8.2516, 6.6230



7.7556, 8.3864, 6.7047



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.4346, 18.3493, 6.9508



27.9168, 31.2754, 8.7948



14.1361, 18.6521, 7.1304



4.6236, 4.9358, 4.6292



14.6773, 16.2509, 2.3632



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.8269, 6.6533, 21.2937



11.0304, 8.3479, 36.9862



9.2526, 6.7186, 21.2312



4.1465, 4.2869, 5.4222



4.0342, 1.8868, 20.4015



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.4342, 18.3484, 6.9504 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 16.4342, 18.3484, 6.9504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

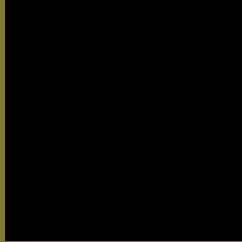
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.4342, 18.3484, 6.9504

Background



This preview shows how black text looks on a background with the XYZ color 16.4342, 18.3484, 6.9504.



This preview shows how white text looks on a background with the XYZ color 16.4342, 18.3484,

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

16.4342, 18.3484, 6.9504

Protanopia

16.7725, 18.3452, 6.9319

Deuteranopia

18.6287, 18.2690, 7.1019



Tritanopia

19.2495, 18.2837, 20.9269

Trichromacy



Original Color

16.4342, 18.3484, 6.9504

Protanomaly

16.6184, 18.2657, 6.9247

Deuteranomaly

17.7352, 18.3167, 7.0156

Tritanomaly

18.0132, 18.2972, 14.3867

Monochromacy



Original Color

16.4342, 18.3484, 6.9504

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.2183, 17.5602, 13.6010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4342, 18.3484, 6.9504 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(128, 120, 60)` looks like.

```
.text, #text, p{  
    color:rgb(128, 120, 60)  
}
```

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(128, 120, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 120, 60) }
```

Border

The CSS property to change the border of an element to XYZ 16.4342, 18.3484, 6.9504 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(128, 120, 60) }
```


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

```
.border{ border-color:rgb(128, 120, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 120, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 120, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 120, 60);  
box-shadow:4px 4px 4px 4px rgb(128, 120,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4342, 18.3484, 6.9504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 120, 60) }
```

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

```
.background{ background-color: rgb(128,  
120, 60) }
```

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