

Converting Colors

XYZ(12.8515, 16.4984, 6.9224)

Have a look what the booklet for
XYZ(12.8515, 16.4984, 6.9224)
contains.

XYZ(12.8143, 16.4792, 6.9203)	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(12.8143, 16.4792,
6.9203)**

Conversions

Conversions Part 1

Format	Color
Hex	64783D
RGB	100, 120, 61
RGB Percent	39%, 47%, 24%
CMY	0.6078, 0.5294, 0.7608
CMYK	0.17, 0.00, 0.49, 0.53
HSL	80°, 33%, 35%
HSV	80°, 49%, 47%
XYZ	12.8143, 16.4792, 6.9203
YIQ	107.2940, 7.0190, -22.5890

Conversions

Conversions Part 2

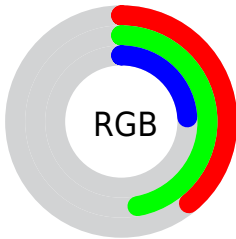
Format	Color
RYB	61, 120, 81
Decimal	6584381
CIELab	47.60, -17.74, 29.83
CIElCh	48, 34.712, 120.739
Yxy	16.4792, 0.3539, 0.4551
Android (android.graphics.Color)	4284774461 (0xFF64783D)
YUV	107.2940, -22.8229, -6.3968
Hunter-Lab	40.5946, -14.6943, 18.3088

Details

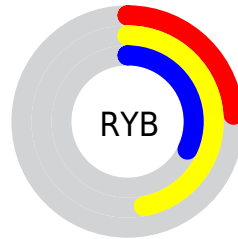
The XYZ color **12.8143, 16.4792, 6.9203** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.4529, 6.4433, 18.5684**, and the grayscale version is **14.1172, 14.8524, 16.1743**.

A 20% lighter version of the original color is **30.5159, 37.3062, 20.3443**, and **3.7047, 5.2448, 1.2690** is the 20% darker color. If you saturate the color by 10%, you get **12.0879, 16.1385, 5.3838**, and if you desaturate by 10%, it is **13.6364, 16.8619, 8.8396**.

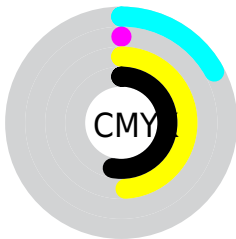
Distribution



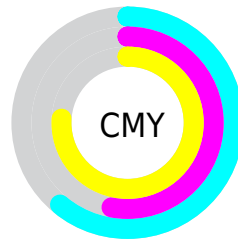
- Red (39%)
- Green (47%)
- Blue (24%)



- Red (24%)
- Yellow (47%)
- Blue (32%)



- Cyan (17%)
- Magenta (0%)
- Yellow (49%)
- Black (53%)





- Cyan (61%)
- Magenta (53%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.8143, 16.4792, 6.9203 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 12.8143, 16.4792, 6.9203 by changing the saturation by 10% instead.

 12.8143, 16.4792,
6.9203


 12.8143, 16.4792,
6.9203


203.3858,
232.1530, 176.6055


 7.3769, 9.8639,
3.3346


 30.5739, 37.4281,
20.3228


 3.7473, 5.3088,
1.2679

 43.6269, 52.5306,
30.9767

 1.5602, 2.4296,
0.0353

 59.9490, 71.2308,
44.8238

 0.3663, 0.8410,
0.0000

 79.9058, 93.9132,
62.2826

 0.0000, 0.0000,
0.0000

 103.8625,
120.9623, 83.7716

 132.1845,

152.7623, 109.7094

165.2372,
189.6978, 140.5146

■ 12.8143, 16.4792,
6.9203

■ 12.8143, 16.4792,
6.9203

■ 12.0879, 16.1385,
5.3838

■ 13.6364, 16.8619,
8.8396

■ 11.4507, 15.8355,
4.2034

■ 14.5576, 17.2863,
11.1641

■ 10.8974, 15.5686,
3.3504

■ 15.5829, 17.7550,
13.9156

■ 10.4212, 15.3349,
2.7915

■ 16.7162, 18.2696,
17.1142

■ 10.0017, 15.1265,
2.4213

■ 17.9615, 18.8318,
20.7784

■ 9.9678, 15.1096,
2.3911

■ 19.3224, 19.4430,
24.9260

■ 20.8023, 20.1046,
29.5738

■ 22.4046, 20.8179,
34.7375

■ 24.1324, 21.5844,
40.4326

Harmonies

Analogous

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



15.5864, 16.4792, 5.7284



12.8143, 16.4792, 6.9203



11.0244, 16.4792, 10.8362

Triad

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



12.8143, 16.4792, 6.9203



12.9309, 16.4792, 37.2931



22.3977, 16.4792, 17.7241

Complementary

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



12.8143, 16.4792, 6.9203



8.4529, 6.4433, 18.5684

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.



21.4484, 16.4792, 27.6276



12.8143, 16.4792, 6.9203



15.7399, 16.4792, 40.9451

Square

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



12.8143, 16.4792, 6.9203



11.0853, 16.4792, 28.1384



18.9054, 16.4792, 36.9362



21.3539, 16.4792, 10.5664

Rectangle

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



12.8143, 16.4792, 6.9203



10.4938, 16.4792, 15.3380



18.9054, 16.4792, 36.9362



22.3000, 16.4792, 20.8275

Sweetspot

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



12.8147, 16.4799, 6.9207



28.1405, 31.5604, 26.5165



11.5064, 10.1660, 5.7709



6.5900, 7.4436, 6.0633



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.8147, 16.4799, 6.9207



21.1074, 28.3114, 9.1692



10.1456, 15.1040, 6.7957



4.1820, 4.5691, 4.2860



10.8583, 16.4749, 2.6077



50.8591, 78.1043, 12.3951

Inverse Universe

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



8.4529, 6.4433, 18.5684



12.4913, 8.4536, 32.2264



11.5107, 8.0197, 18.7115



3.9139, 3.9535, 5.0000



4.6682, 1.9793, 19.5213



21.4420, 9.0158, 93.0799

Previews

White Background



This preview shows how the XYZ color 12.8143, 16.4792, 6.9203 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 12.8143, 16.4792, 6.9203 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 12.8143, 16.4792, 6.9203

Background



This preview shows how black text looks on a background with the XYZ color 12.8143, 16.4792, 6.9203.



This preview shows how white text looks on a background with the XYZ color 12.8143, 16.4792,

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

12.8143, 16.4792, 6.9203

Protanopia

15.0067, 16.4111, 6.5144

Deuteranopia

16.4996, 16.2039, 7.1085



Tritanopia

15.6023, 16.4035, 20.7562

Trichromacy



Original Color

12.8143, 16.4792, 6.9203

Protanomaly

14.1312, 16.4619, 6.7076

Deuteranomaly

15.0036, 16.2323, 7.0450

Tritanomaly

14.3713, 16.4141, 14.4674

Monochromacy



Original Color

12.8143, 16.4792, 6.9203

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.3486, 15.2696, 11.9166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8143, 16.4792, 6.9203 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(100, 120, 61)` looks like.

```
.text, #text, p{  
    color:rgb(100, 120, 61)  
}
```

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(100, 120, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 120, 61) }
```

Border

The CSS property to change the border of an element to XYZ 12.8143, 16.4792, 6.9203 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(100, 120, 61) }
```


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

```
.border{ border-color:rgb(100, 120, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 120, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 120, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 120, 61);  
box-shadow:4px 4px 4px 4px rgb(100, 120,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8143, 16.4792, 6.9203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 120, 61) }
```

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

```
.background{ background-color: rgb(100,  
120, 61) }
```

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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