

Converting Colors

XYZ(16.2752, 18.1824, 2.6805)

Have a look what the booklet for
XYZ(16.2752, 18.1824, 2.6805)
contains.

XYZ(16.2752, 18.1824, 2.6805)	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>	30

Color

**XYZ(16.2752, 18.1824,
2.6805)**

Conversions

Conversions Part 1

Format	Color
Hex	857701
RGB	133, 119, 1
RGB Percent	52%, 47%, 0%
CMY	0.4784, 0.5333, 0.9960
CMYK	0.00, 0.11, 0.99, 0.48
HSL	54°, 98%, 26%
HSV	54°, 99%, 52%
XYZ	16.2752, 18.1824, 2.6805
YIQ	109.7340, 46.2220, -33.7300

Conversions

Conversions Part 2

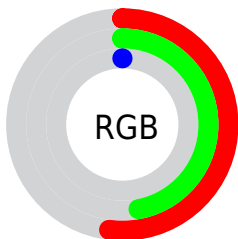
Format	Color
R_{YB}	17, 133, 1
Decimal	8746753
CIE Lab	49.72, -5.61, 55.12
CIE LCh	50, 55.408, 95.811
Yxy	18.1824, 0.4382, 0.4896
Android (android.graphics.Color)	4286936833 (0xFF857701)
YUV	109.7340, -53.6059, 20.4043
Hunter-Lab	42.6408, -6.4914, 26.1215

Details

The XYZ color **16.2752, 18.1824, 2.6805** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.4171, 2.0417, 22.3515**, and the grayscale version is **14.8849, 15.6600, 17.0538**.

A 20% lighter version of the original color is **36.7522, 40.4546, 10.8725**, and **5.4777, 6.1687, 0.9020** is the 20% darker color. If you saturate the color by 10%, you get **16.2574, 18.1556, 2.6475**, and if you desaturate by 10%, it is **16.5206, 18.5518, 3.1367**.

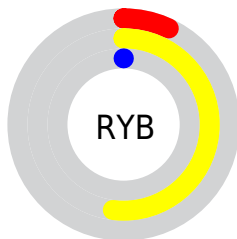
Distribution



Red (52%)

Green (47%)

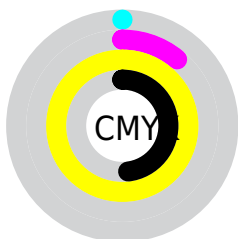
Blue (0%)



Red (7%)

Yellow (52%)

Blue (0%)

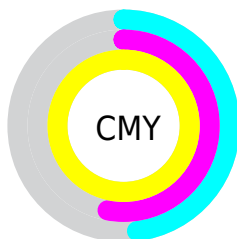


Cyan (0%)

Magenta (11%)

Yellow (99%)

Black (48%)



Cyan (48%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2752, 18.1824, 2.6805 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 16.2752, 18.1824, 2.6805 by changing the saturation by 10% instead.

■ 16.2752, 18.1824,
2.6805

■ 16.2752, 18.1824,
2.6805

224.1988,
241.8971, 132.1811

■ 9.8112, 11.0810,
0.9336

■ 36.6289, 40.3479,
10.8293

■ 5.3352, 6.1214,
0.0000

■ 51.2493, 56.1808,
18.0686

■ 2.4820, 2.9190,
0.0000

■ 69.3192, 75.6930,
27.9759

■ 0.8862, 1.0896,
0.0000


■ 91.2040, 99.2688,
40.9698


■ 0.0000, 0.0000,
0.0000


■ 117.2690,
127.2928, 57.4686


■ 147.8795,


160.1492, 77.8911


 183.4010,
198.2226, 102.6558


 16.2752, 18.1824,
2.6805


 16.2752, 18.1824,
2.6805


 16.2574, 18.1556,
2.6475

 16.5206, 18.5518,
3.1367

 16.8157, 18.9445,
3.8446

 17.1836, 19.3702,
4.9226

 17.6323, 19.8323,
6.4144

 18.1692, 20.3337,
8.3577

■ 18.8005, 20.8770,
10.7857

■ 19.5320, 21.4644,
13.7287

■ 20.3689, 22.0981,
17.2146

■ 21.3163, 22.7801,
21.2690

Harmonies

Analogous

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



21.7791, 18.1824, 3.3647



16.2752, 18.1824, 2.6805



12.0012, 18.1824, 4.3500

Triad

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



16.2752, 18.1824, 2.6805



10.2933, 18.1824, 42.1182



28.2817, 18.1824, 34.2421

Complementary

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



16.2752, 18.1824, 2.6805



4.4171, 2.0417, 22.3515

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.



23.9208, 18.1824, 53.9262



16.2752, 18.1824, 2.6805



13.4506, 18.1824, 59.8676

Square

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



16.2752, 18.1824, 2.6805



9.0286, 18.1824, 22.8863



18.3291, 18.1824, 65.0297



29.4619, 18.1824, 17.0000

Rectangle

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



16.2752, 18.1824, 2.6805



10.1771, 18.1824, 7.5509



18.3291, 18.1824, 65.0297



27.1013, 18.1824, 41.0136

Sweetspot

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



16.2756, 18.1833, 2.6809



34.7779, 38.2822, 23.7678



9.7804, 5.0470, 0.9650



7.7271, 8.5388, 4.9170



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.2756, 18.1833, 2.6809



29.0457, 32.3770, 4.7185



11.9078, 18.5891, 2.9894



4.9987, 5.3410, 4.9968



15.4890, 17.3006, 2.5230



0.0567, 0.0659, 0.0097

Inverse Universe

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



4.4171, 2.0417, 22.3515



7.8042, 3.4779, 39.9984



5.6405, 2.4350, 22.3629



4.4713, 4.6182, 5.8565



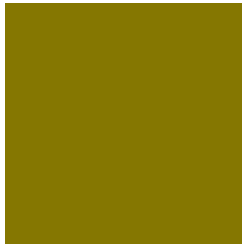
4.1869, 1.9215, 21.2869



0.0169, 0.0115, 0.0745

Previews

White Background



This preview shows how the XYZ color 16.2752, 18.1824, 2.6805 looks on a white background.

Color Contrast Check

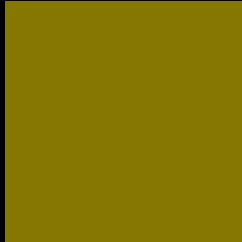
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2752, 18.1824, 2.6805 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 16.2752, 18.1824, 2.6805

Background



This preview shows how black text looks on a background with the XYZ color 16.2752, 18.1824, 2.6805.



This preview shows how white text looks on a background with the XYZ color 16.2752, 18.1824,

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

16.2752, 18.1824, 2.6805

Deuteranopia

18.4581, 18.1069, 2.9741

Tritanopia

19.8294, 18.2762, 19.9353

Trichromacy



Original Color

16.2752, 18.1824, 2.6805

Deuteranomaly

17.6871, 18.2127, 2.8703

Tritanomaly

17.6383, 17.8748, 9.3580

Monochromacy



Original Color

16.2752, 18.1824, 2.6805

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.4818, 16.1040, 8.1395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2752, 18.1824, 2.6805 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, 119, 1)` looks like.

```
.text, #text, p{  
    color:rgb(133, 119, 1)  
}
```

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, 119, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 119, 1) }
```

Border

The CSS property to change the border of an element to XYZ 16.2752, 18.1824, 2.6805 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, 119, 1) }
```

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

```
.border{ border-color:rgb(133, 119, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 119, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 119, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 119, 1);  
box-shadow:4px 4px 4px 4px rgb(133, 119,  
1) }
```


Background

The CSS property to change the background color of an element to XYZ 16.2752, 18.1824, 2.6805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 119, 1) }
```

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

```
.background{ background-color: rgb(133,  
119, 1) }
```

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