

Converting Colors

XYZ(16.8743, 18.4994, 13.3295)

Have a look what the booklet for
XYZ(16.8743, 18.4994, 13.3295)
contains.

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Color

**XYZ(16.7629, 18.3787,
13.2536)**

Conversions

Conversions Part 1

Format	Color
Hex	7A785E
RGB	122, 120, 94
RGB Percent	48%, 47%, 37%
CMY	0.5216, 0.5294, 0.6314
CMYK	0.00, 0.02, 0.23, 0.52
HSL	56°, 13%, 42%
HSV	56°, 23%, 48%
XYZ	16.7629, 18.3787, 13.2536
YIQ	117.6340, 9.5380, -7.6620

Conversions

Conversions Part 2

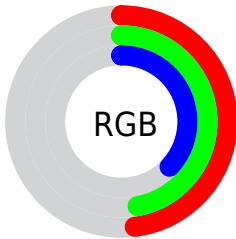
Format	Color
RYB	96, 122, 94
Decimal	8026206
CIELab	49.95, -3.88, 14.59
CIELCh	50, 15.099, 104.889
Yxy	18.3787, 0.3464, 0.3798
Android (android.graphics.Color)	4286216286 (0xFF7A785E)
YUV	117.6340, -11.6516, 3.8290
Hunter-Lab	42.8704, -5.2273, 11.6795

Details

The XYZ color **16.7629, 18.3787, 13.2536** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.3117, 12.1502, 20.1088**, and the grayscale version is **17.1391, 18.0316, 19.6365**.

A 20% lighter version of the original color is **37.4658, 40.6326, 32.2538**, and **5.5985, 6.2646, 3.7104** is the 20% darker color. If you saturate the color by 10%, you get **16.1542, 17.9692, 10.5600**, and if you desaturate by 10%, it is **17.4601, 18.8264, 16.4042**.

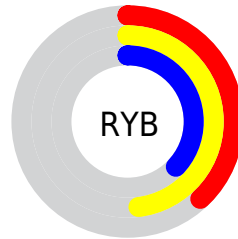
Distribution



Red (48%)

Green (47%)

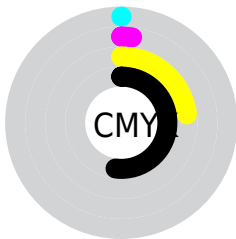
Blue (37%)



Red (38%)

Yellow (48%)

Blue (37%)

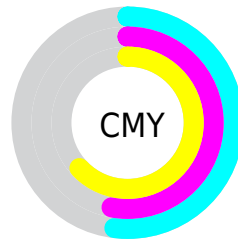


Cyan (0%)

Magenta (2%)

Yellow (23%)

Black (52%)



Cyan (52%)

Magenta (53%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7629, 18.3787, 13.2536 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 16.7629, 18.3787, 13.2536 by changing the saturation by 10% instead.

■ 16.7629, 18.3787,
13.2536

■ 16.7629, 18.3787,
13.2536

226.9853,
242.9970, 223.8012

■ 10.1598, 11.2222,
7.4706

■ 37.4645, 40.6816,
32.4565

■ 5.5681, 6.2165,
3.6753

■ 52.2938, 56.5967,
46.7135

■ 2.6225, 2.9772,
1.4489

■ 70.5958, 76.2003,
64.6322

■ 0.9574, 1.1198,
0.1794

■ 92.7360, 99.8765,
86.6313

■ 0.0000, 0.0000,
0.0000

119.0797,
128.0100, 113.1292

149.9923,

160.9849, 144.5444

185.8390,
199.1858, 181.2956

■ 16.7629, 18.3787,
13.2536

■ 16.7629, 18.3787,
13.2536

■ 16.1542, 17.9692,
10.5600

■ 17.4601, 18.8264,
16.4042

■ 15.6285, 17.5937,
8.3007

■ 18.2481, 19.3113,
20.0304

■ 15.1818, 17.2514,
6.4532

■ 19.1309, 19.8357,
24.1516

■ 14.8095, 16.9403,
4.9922

■ 20.1121, 20.4010,
28.7854

■ 14.5061, 16.6583,
3.8897

■ 21.1946, 21.0083,
33.9488

■ 14.2656, 16.4030,
3.1140

■ 22.3817, 21.6591,
39.6578

■ 14.0807, 16.1714,
2.6262

■ 23.6763, 22.3543,
45.9278

■ 13.9647, 16.0148,
2.3551

■ 25.0811, 23.0952,
52.7737

■ 26.5989, 23.8828,
60.2098

Harmonies

Analogous

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



18.2041, 18.3787, 13.2597



16.7629, 18.3787, 13.2536



15.5767, 18.3787, 14.8782

Triad

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



16.7629, 18.3787, 13.2536



15.5697, 18.3787, 26.1809



20.2958, 18.3787, 22.1622

Complementary

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



16.7629, 18.3787, 13.2536



12.3117, 12.1502, 20.1088

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.



19.5074, 18.3787, 26.2070



16.7629, 18.3787, 13.2536



16.7528, 18.3787, 28.7361

Square

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



16.7629, 18.3787, 13.2536



14.9141, 18.3787, 22.1303



18.1934, 18.3787, 28.7462



20.2989, 18.3787, 18.0320

Rectangle

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



16.7629, 18.3787, 13.2536



15.0673, 18.3787, 16.8154



18.1934, 18.3787, 28.7462



20.1120, 18.3787, 23.5884

Sweetspot

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



16.7634, 18.3795, 13.2540



31.4989, 33.6061, 32.4438



14.1556, 12.9939, 12.9092



7.1893, 7.6761, 7.3585



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.



16.7634, 18.3795, 13.2540



28.8598, 31.9140, 20.5084



15.4520, 18.0638, 13.2622



4.2845, 4.5874, 4.2841



14.7000, 16.8559, 2.4787



69.8579, 79.8792, 11.7363

Inverse Universe

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



12.3117, 12.1502, 20.1088



19.4578, 18.7583, 34.9881



13.4201, 12.4546, 20.1091



3.8185, 3.9353, 5.0015



3.7952, 1.6728, 19.5082



17.8585, 7.4896, 92.9742

Previews

White Background



This preview shows how the XYZ color 16.7629, 18.3787, 13.2536 looks on a white 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

Black Background



This preview shows how the XYZ color 16.7629, 18.3787, 13.2536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

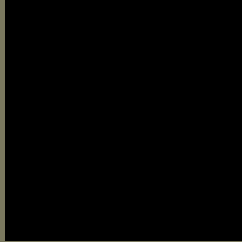
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.7629, 18.3787, 13.2536

Background



This preview shows how black text looks on a background with the XYZ color 16.7629, 18.3787, 13.2536.



This preview shows how white text looks on a background with the XYZ color 16.7629, 18.3787,

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

16.7629, 18.3787, 13.2536

Protanopia

17.1768, 18.4196, 13.0059

Deuteranopia

18.5641, 18.2641, 13.3734



Tritanopia

18.5512, 18.4071, 21.9772

Trichromacy



Original Color

16.7629, 18.3787, 13.2536

Protanomaly

17.0301, 18.3439, 12.9991

Deuteranomaly

17.8267, 18.2225, 13.4042

Tritanomaly

17.8560, 18.2975, 18.5102

Monochromacy



Original Color

16.7629, 18.3787, 13.2536

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.9649, 18.2197, 17.0906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7629, 18.3787, 13.2536 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(122, 120, 94)` looks like.

```
.text, #text, p{  
    color:rgb(122, 120, 94)  
}
```

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(122, 120, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 120, 94) }
```

Border

The CSS property to change the border of an element to XYZ 16.7629, 18.3787, 13.2536 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(122, 120, 94) }
```


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

```
.border{ border-color:rgb(122, 120, 94) }
```

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

Here you see how a box with a 4 pixel rgb(122, 120, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 120, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 120, 94);  
box-shadow:4px 4px 4px 4px rgb(122, 120,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7629, 18.3787, 13.2536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 120, 94) }
```

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

```
.background{ background-color: rgb(122,  
120, 94) }
```

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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