

Converting Colors

XYZ(16.3755, 18.2447, 12.2618)

Have a look what the booklet for
XYZ(16.3755, 18.2447, 12.2618)
contains.

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Color

**XYZ(16.3077, 18.1642,
12.3194)**

Conversions

Conversions Part 1

Format	Color
Hex	78785A
RGB	120, 120, 90
RGB Percent	47%, 47%, 35%
CMY	0.5294, 0.5294, 0.6471
CMYK	0.00, 0.00, 0.25, 0.53
HSL	60°, 14%, 41%
HSV	60°, 25%, 47%
XYZ	16.3077, 18.1642, 12.3194
YIQ	116.5800, 9.6300, -9.3300

Conversions

Conversions Part 2

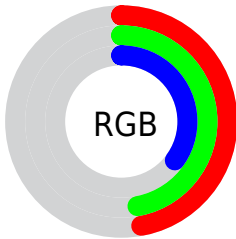
Format	Color
R_{YB}	90, 120, 90
Decimal	7895130
CIE _{Lab}	49.69, -5.33, 16.53
CIE _{LCh}	50, 17.372, 107.870
Yxy	18.1642, 0.3485, 0.3882
Android (android.graphics.Color)	4286085210 (0xFF78785A)
YUV	116.5800, -13.1039, 2.9993
Hunter-Lab	42.6195, -6.2838, 12.6955

Details

The XYZ color **16.3077, 18.1642, 12.3194** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.2634, 10.8425, 19.2695**, and the grayscale version is **16.8162, 17.6919, 19.2665**.

A 20% lighter version of the original color is **36.7197, 40.2827, 30.6510**, and **5.3705, 6.1562, 3.2881** is the 20% darker color. If you saturate the color by 10%, you get **15.8377, 17.9768, 9.8430**, and if you desaturate by 10%, it is **16.8611, 18.3862, 15.2310**.

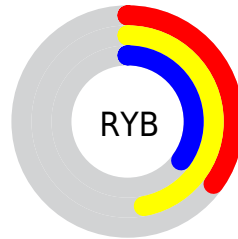
Distribution



Red (47%)

Green (47%)

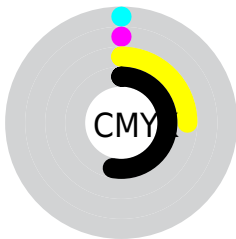
Blue (35%)



Red (35%)

Yellow (47%)

Blue (35%)

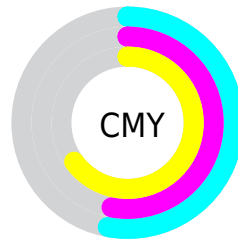


Cyan (0%)

Magenta (0%)

Yellow (25%)

Black (53%)



Cyan (53%)

Magenta (53%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3077, 18.1642, 12.3194 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 16.3077, 18.1642, 12.3194 by changing the saturation by 10% instead.

■ 16.3077, 18.1642,
12.3194

■ 16.3077, 18.1642,
12.3194

224.3855,
241.7949, 217.5609

■ 9.8344, 11.0679,
6.8364

■ 36.6847, 40.3169,
30.7486

■ 5.3507, 6.1126,
3.2831

■ 51.3191, 56.1422,
44.5318

■ 2.4913, 2.9136,
1.2410

■ 69.4046, 75.6459,
61.9189

■ 0.8909, 1.0868,
0.0127

■ 91.3065, 99.2124,
83.3284

■ 0.0000, 0.0000,
0.0000

■ 117.3902,
127.2262, 109.1788

148.0210,

160.0716, 139.8886

183.5643,
198.1331, 175.8765

■ 16.3077, 18.1642,
12.3194

■ 16.3077, 18.1642,
12.3194

■ 15.8377, 17.9768,
9.8430

■ 16.8611, 18.3862,
15.2310

■ 15.4458, 17.8200,
7.7799

■ 17.5003, 18.6419,
18.5960

■ 15.1281, 17.6929,
6.1078

■ 18.2291, 18.9334,
22.4331

■ 14.8800, 17.5937,
4.8021

■ 19.0508, 19.2621,
26.7596

■ 14.6963, 17.5202,
3.8354

■ 19.9686, 19.6293,
31.5917

■ 14.5710, 17.4700,
3.1763

■ 20.9854, 20.0360,
36.9451

■ 14.4945, 17.4394,
2.7745

■ 22.1040, 20.4834,
42.8348

■ 14.4616, 17.4263,
2.6014

■ 23.3271, 20.9727,
49.2751

■ 24.6574, 21.5049,
56.2798

Harmonies

Analogous

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



17.9408, 18.1642, 12.1481



16.3077, 18.1642, 12.3194



15.0136, 18.1642, 14.2798

Triad

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



16.3077, 18.1642, 12.3194



15.2195, 18.1642, 27.3235



20.5612, 18.1642, 21.7522

Complementary

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



16.3077, 18.1642, 12.3194



11.2634, 10.8425, 19.2695

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.



19.7299, 18.1642, 26.5318



16.3077, 18.1642, 12.3194



16.6054, 18.1642, 30.0755

Square

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



16.3077, 18.1642, 12.3194



14.4135, 18.1642, 22.7037



18.2581, 18.1642, 29.7646



20.4688, 18.1642, 17.1146

Rectangle

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



16.3077, 18.1642, 12.3194



14.4852, 18.1642, 16.5439



18.2581, 18.1642, 29.7646



20.3784, 18.1642, 23.4077

Sweetspot

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



16.3082, 18.1650, 12.3198



30.4022, 32.6356, 30.7256



13.2479, 12.0440, 11.2996



7.1701, 7.7204, 7.0979



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.



16.3082, 18.1650, 12.3198



28.1898, 31.7505, 19.0783



14.3883, 17.1753, 12.2299



4.3077, 4.6339, 4.2919



15.7759, 19.0100, 2.8378



75.2521, 90.6793, 13.5367

Inverse Universe

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



11.2634, 10.8425, 19.2695



17.7121, 16.5420, 33.5125



12.8726, 11.6721, 19.3448



3.7977, 3.8936, 4.9946



3.6986, 1.4795, 19.4759



17.6424, 7.0570, 92.9021

Previews

White Background



This preview shows how the XYZ color 16.3077, 18.1642, 12.3194 looks on a white background.

Color Contrast Check

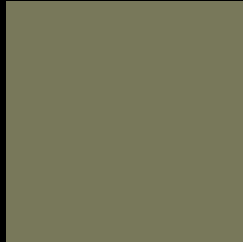
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3077, 18.1642, 12.3194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

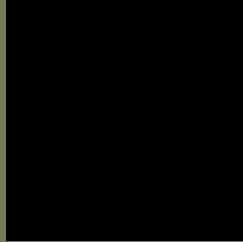
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.3077, 18.1642, 12.3194

Background



This preview shows how black text looks on a background with the XYZ color 16.3077, 18.1642, 12.3194.



This preview shows how white text looks on a background with the XYZ color 16.3077, 18.1642,

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

16.3077, 18.1642, 12.3194

Protanopia

16.8858, 18.1138, 12.0575

Deuteranopia

18.2747, 17.9689, 12.4027



Tritanopia

18.1446, 18.0272, 21.9253

Trichromacy



Original Color

16.3077, 18.1642, 12.3194

Protanomaly

16.7122, 18.2000, 12.0833

Deuteranomaly

17.4938, 18.0714, 12.4636

Tritanomaly

17.4543, 18.1034, 17.9036

Monochromacy



Original Color

16.3077, 18.1642, 12.3194

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.6035, 17.8700, 16.4841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3077, 18.1642, 12.3194 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(120, 120, 90)` looks like.

```
.text, #text, p{  
    color:rgb(120, 120, 90)  
}
```

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(120, 120, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 120, 90) }
```

Border

The CSS property to change the border of an element to XYZ 16.3077, 18.1642, 12.3194 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(120, 120, 90) }
```


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

```
.border{ border-color:rgb(120, 120, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 120, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 120, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 120, 90);  
box-shadow:4px 4px 4px 4px rgb(120, 120,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3077, 18.1642, 12.3194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 120, 90) }
```

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

```
.background{ background-color: rgb(120,  
120, 90) }
```

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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