

Converting Colors

XYZ(16.4230, 17.6839, 12.9111)

Have a look what the booklet for
XYZ(16.4230, 17.6839, 12.9111)
contains.

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Color

**XYZ(16.3631, 17.6505,
12.9004)**

Conversions

Conversions Part 1

Format	Color
Hex	7A755D
RGB	122, 117, 93
RGB Percent	48%, 46%, 36%
CMY	0.5216, 0.5412, 0.6353
CMYK	0.00, 0.04, 0.24, 0.52
HSL	50°, 13%, 42%
HSV	50°, 24%, 48%
XYZ	16.3631, 17.6505, 12.9004
YIQ	115.7590, 10.6840, -6.4040

Conversions

Conversions Part 2

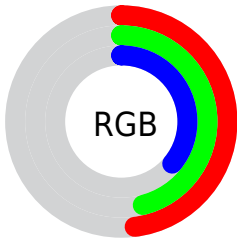
Format	Color
RYB	99, 122, 93
Decimal	8025437
CIELab	49.07, -2.32, 13.96
CIELCh	49, 14.150, 99.443
Yxy	17.6505, 0.3488, 0.3762
Android (android.graphics.Color)	4286215517 (0xFF7A755D)
YUV	115.7590, -11.2202, 5.4734
Hunter-Lab	42.0125, -3.9994, 11.2031

Details

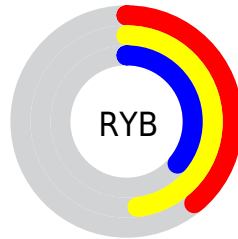
The XYZ color **16.3631, 17.6505, 12.9004** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.3946, 12.4673, 20.1655**, and the grayscale version is **16.5580, 17.4203, 18.9707**.

A 20% lighter version of the original color is **36.8251, 39.4731, 31.6648**, and **5.3889, 5.8779, 3.5399** is the 20% darker color. If you saturate the color by 10%, you get **15.6233, 16.9677, 10.1972**, and if you desaturate by 10%, it is **17.1956, 18.3804, 16.0603**.

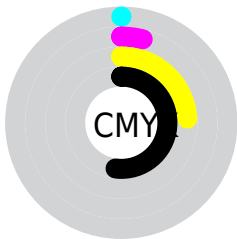
Distribution



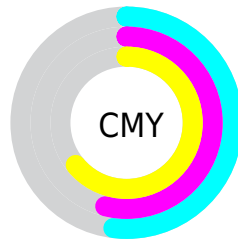
- Red (48%)
- Green (46%)
- Blue (36%)



- Red (39%)
- Yellow (48%)
- Blue (36%)



- Cyan (0%)
- Magenta (4%)
- Yellow (24%)
- Black (52%)



- Cyan (52%)
- Magenta (54%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3631, 17.6505, 12.9004 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 16.3631, 17.6505, 12.9004 by changing the saturation by 10% instead.

■ 16.3631, 17.6505,
12.9004

■ 16.3631, 17.6505,
12.9004

224.7034,
238.8936, 221.4637

■ 9.8739, 10.6994,
7.2301

■ 36.7798, 39.4409,
31.8133

■ 5.3771, 5.8651,
3.5258

■ 51.4380, 55.0489,
45.8929

■ 2.5072, 2.7632,
1.3690

■ 69.5500, 74.3113,
63.6128

■ 0.8989, 1.0094,
0.1173

■ 91.4811, 97.6126,
85.3913

■ 0.0000, 0.0000,
0.0000

117.5966,
125.3371, 111.6472

148.2619,

157.8691, 142.7988

183.8424,
195.5932, 179.2648

■ 16.3631, 17.6505,
12.9004

■ 16.3631, 17.6505,
12.9004

■ 15.6233, 16.9677,
10.1972

■ 17.1956, 18.3804,
16.0603

■ 14.9706, 16.3278,
7.9281

■ 18.1232, 19.1566,
19.6959

■ 14.4012, 15.7300,
6.0702

■ 19.1500, 19.9815,
23.8265

■ 13.9100, 15.1720,
4.5981

■ 20.2794, 20.8563,
28.4698

■ 13.4918, 14.6519,
3.4836

■ 21.5148, 21.7825,
33.6428

■ 13.1403, 14.1669,
2.6945

■ 22.8591, 22.7614,
39.3618

■ 12.8475, 13.7139,
2.1882

■ 24.3153, 23.7942,
45.6421

■ 12.6777, 13.4409,
1.9262

■ 25.8864, 24.8821,
52.4987

■ 27.5750, 26.0263,
59.9459

Harmonies

Analogous

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



17.6838, 17.6505, 13.1819



16.3631, 17.6505, 12.9004



15.2142, 17.6505, 14.1318

Triad

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



16.3631, 17.6505, 12.9004



14.8908, 17.6505, 24.2185



19.2679, 17.6505, 21.8866

Complementary

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



16.3631, 17.6505, 12.9004



12.3946, 12.4673, 20.1655

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.



18.4417, 17.6505, 25.3990



16.3631, 17.6505, 12.9004



15.9004, 17.6505, 26.8632

Square

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



16.3631, 17.6505, 12.9004



14.3941, 17.6505, 20.4364



17.1963, 17.6505, 27.3215



19.4078, 17.6505, 18.0498

Rectangle

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



16.3631, 17.6505, 12.9004



14.6833, 17.6505, 15.7533



17.1963, 17.6505, 27.3215



19.0592, 17.6505, 23.1576

Sweetspot

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



16.3636, 17.6513, 12.9008



31.3102, 33.2287, 32.3809



14.1601, 12.8543, 13.3689



7.1437, 7.5850, 7.3433



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.



16.3636, 17.6513, 12.9008



27.9972, 30.3313, 19.7815



15.7219, 18.2080, 13.0420



4.2518, 4.5220, 4.2732



13.3424, 14.1407, 2.0262



63.0969, 66.3573, 9.4827

Inverse Universe

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



12.3946, 12.4673, 20.1655



19.6289, 19.4025, 35.1034



12.9277, 12.0696, 20.0606



3.8483, 3.9950, 5.0115



3.9765, 2.0354, 19.5686



18.5242, 8.8210, 93.1961

Previews

White Background



This preview shows how the XYZ color 16.3631, 17.6505, 12.9004 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 16.3631, 17.6505, 12.9004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

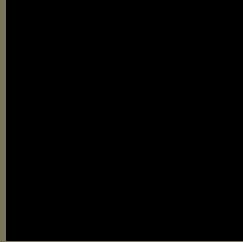
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.3631, 17.6505, 12.9004

Background



This preview shows how black text looks on a background with the XYZ color 16.3631, 17.6505, 12.9004.



This preview shows how white text looks on a background with the XYZ color 16.3631, 17.6505,

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

16.3631, 17.6505, 12.9004

Protanopia

16.5334, 17.5662, 12.8751

Deuteranopia

17.9679, 17.6307, 13.0457



Tritanopia

18.0222, 17.6510, 20.8695

Trichromacy



Original Color

16.3631, 17.6505, 12.9004

Protanomaly

16.3896, 17.4920, 12.8684

Deuteranomaly

17.3978, 17.6681, 13.0830

Tritanomaly

17.3440, 17.5423, 17.5108

Monochromacy



Original Color

16.3631, 17.6505, 12.9004

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.4234, 17.4250, 16.6851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3631, 17.6505, 12.9004 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, 117, 93)` looks like.

```
.text, #text, p{  
    color:rgb(122, 117, 93)  
}
```

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, 117, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 117, 93) }
```

Border

The CSS property to change the border of an element to XYZ 16.3631, 17.6505, 12.9004 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, 117, 93) }
```


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

```
.border{ border-color:rgb(122, 117, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 117, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 117, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 117, 93);  
box-shadow:4px 4px 4px 4px rgb(122, 117,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3631, 17.6505, 12.9004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 117, 93) }
```

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

```
.background{ background-color: rgb(122,  
117, 93) }
```

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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