

Converting Colors

XYZ(12.7957, 14.5417, 7.8121)

Have a look what the booklet for
XYZ(12.7957, 14.5417, 7.8121)
contains.

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Color

**XYZ(12.8495, 14.6182,
7.7746)**

Conversions

Conversions Part 1

Format	Color
Hex	6D6D45
RGB	109, 109, 69
RGB Percent	43%, 43%, 27%
CMY	0.5725, 0.5725, 0.7294
CMYK	0.00, 0.00, 0.37, 0.57
HSL	60°, 22%, 35%
HSV	60°, 37%, 43%
XYZ	12.8495, 14.6182, 7.7746
YIQ	104.4400, 12.8400, -12.4400

Conversions

Conversions Part 2

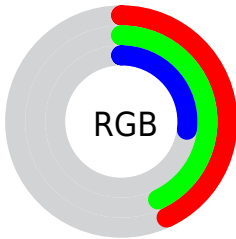
Format	Color
R_{YB}	69, 109, 69
Decimal	7171397
CIE Lab	45.11, -6.77, 22.38
CIE LCh	45, 23.386, 106.837
Yxy	14.6182, 0.3646, 0.4148
Android (android.graphics.Color)	4285361477 (0xFF6D6D45)
YUV	104.4400, -17.4719, 3.9991
Hunter-Lab	38.2338, -6.9193, 14.7074

Details

The XYZ color **12.8495, 14.6182, 7.7746** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.3433, 6.6260, 15.3608**, and the grayscale version is **13.3196, 14.0132, 15.2604**.

A 20% lighter version of the original color is **30.5388, 34.0267, 22.0978**, and **3.7510, 4.4719, 1.5296** is the 20% darker color. If you saturate the color by 10%, you get **12.5418, 14.4956, 6.1534**, and if you desaturate by 10%, it is **13.2201, 14.7670, 9.7239**.

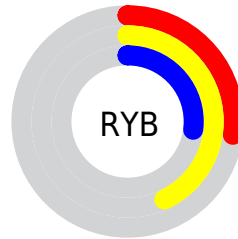
Distribution



Red (43%)

Green (43%)

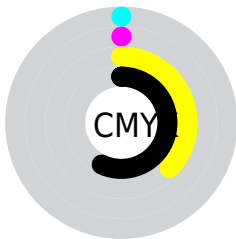
Blue (27%)



Red (27%)

Yellow (43%)

Blue (27%)

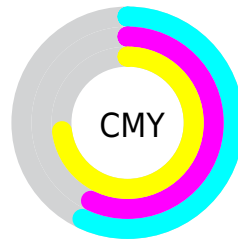


Cyan (0%)

Magenta (0%)

Yellow (37%)

Black (57%)



Cyan (57%)

Magenta (57%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8495, 14.6182, 7.7746 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 12.8495, 14.6182, 7.7746 by changing the saturation by 10% instead.

■ 12.8495, 14.6182,
7.7746

■ 12.8495, 14.6182,
7.7746

203.6080,
221.0435, 183.8213

■ 7.4013, 8.5519,
3.8654

■ 30.6368, 34.1820,
22.0542

■ 3.7628, 4.4501,
1.5518

■ 43.7065, 48.4482,
33.2616

■ 1.5689, 1.9284,
0.2561

■ 60.0475, 66.2166,
47.7389

■ 0.3720, 0.5654,
0.0000

■ 80.0250, 87.8714,
65.9045

■ 0.0000, 0.0000,
0.0000

■ 104.0045,
113.7971, 88.1770

132.3512,

144.3781, 114.9750

165.4306,
179.9988, 146.7169

■ 12.8495, 14.6182,
7.7746

■ 12.8495, 14.6182,
7.7746

■ 12.5418, 14.4956,
6.1534

■ 13.2201, 14.7670,
9.7239

■ 12.2926, 14.3959,
4.8414

■ 13.6557, 14.9412,
12.0170

■ 12.0984, 14.3182,
3.8193

■ 14.1595, 15.1428,
14.6697

■ 11.9550, 14.2609,
3.0650

■ 14.7344, 15.3727,
17.6964

■ 11.8578, 14.2220,
2.5536

■ 15.3829, 15.6322,
21.1109

■ 11.7947, 14.1967,
2.2220

■ 16.1076, 15.9220,
24.9263

■ 11.7749, 14.1888,
2.1181

■ 16.9107, 16.2433,
29.1550

■ 17.7946, 16.5969,
33.8088

■ 18.7614, 16.9836,
38.8991

Harmonies

Analogous

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



14.7541, 14.6182, 7.6660



12.8495, 14.6182, 7.7746



11.3657, 14.6182, 9.7114

Triad

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



12.8495, 14.6182, 7.7746



11.5131, 14.6182, 24.9673



17.8184, 14.6182, 18.4544

Complementary

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



12.8495, 14.6182, 7.7746



7.3433, 6.6260, 15.3608

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.



16.7723, 14.6182, 24.3241



12.8495, 14.6182, 7.7746



13.0683, 14.6182, 28.6289

Square

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



12.8495, 14.6182, 7.7746



10.6444, 14.6182, 19.1885



14.9940, 14.6182, 28.3695



17.7460, 14.6182, 13.0398

Rectangle

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



12.8495, 14.6182, 7.7746



10.7618, 14.6182, 12.1010



14.9940, 14.6182, 28.3695



17.5821, 14.6182, 20.4605

Sweetspot

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



12.8499, 14.6189, 7.7749



24.9221, 26.9413, 23.9968



9.5095, 7.9375, 6.6613



5.7794, 6.2614, 5.4784



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.8499, 14.6189, 7.7749



22.5314, 25.9850, 11.4113



10.6633, 13.4916, 7.6726



3.3331, 3.5835, 3.3335



13.7715, 16.5946, 2.4773



70.1712, 84.5567, 12.6227

Inverse Universe

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



7.3433, 6.6260, 15.3608



11.1151, 9.4141, 27.1385



9.0087, 7.4846, 15.4388



2.9484, 3.0252, 3.8634



3.2287, 1.2915, 17.0014



16.4512, 6.5805, 86.6293

Previews

White Background



This preview shows how the XYZ color 12.8495, 14.6182, 7.7746 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 12.8495, 14.6182, 7.7746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

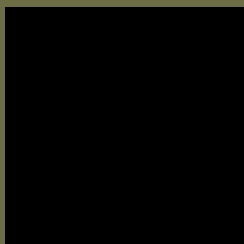
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

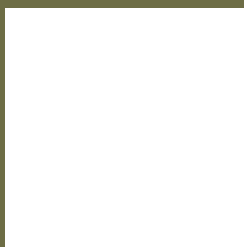
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8495, 14.6182, 7.7746

Background



This preview shows how black text looks on a background with the XYZ color 12.8495, 14.6182, 7.7746.



This preview shows how white text looks on a background with the XYZ color 12.8495, 14.6182,

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

12.8495, 14.6182, 7.7746

Protanopia

13.5035, 14.6457, 7.5840

Deuteranopia

14.7908, 14.5469, 7.9895



Tritanopia

14.8144, 14.6479, 17.3758

Trichromacy



Original Color

12.8495, 14.6182, 7.7746

Protanomaly

13.2160, 14.6532, 7.6006

Deuteranomaly

14.0422, 14.6103, 7.8743

Tritanomaly

13.9474, 14.5973, 13.1488

Monochromacy



Original Color

12.8495, 14.6182, 7.7746

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9862, 14.1276, 11.9400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8495, 14.6182, 7.7746 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(109, 109, 69)` looks like.

```
.text, #text, p{  
    color:rgb(109, 109, 69)  
}
```

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(109, 109, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 109, 69) }
```

Border

The CSS property to change the border of an element to XYZ 12.8495, 14.6182, 7.7746 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(109, 109, 69) }
```


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

```
.border{ border-color:rgb(109, 109, 69) }
```

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

Here you see how a box with a 4 pixel rgb(109, 109, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 109, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 109, 69);  
box-shadow:4px 4px 4px 4px rgb(109, 109,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8495, 14.6182, 7.7746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 109, 69) }
```

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

```
.background{ background-color: rgb(109,  
109, 69) }
```

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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