

Converting Colors

XYZ(12.5421, 13.9952, 6.6787)

Have a look what the booklet for
XYZ(12.5421, 13.9952, 6.6787)
contains.

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Color

**XYZ(12.6068, 14.0465,
6.7494)**

Conversions

Conversions Part 1

Format	Color
Hex	6F6A3F
RGB	111, 106, 63
RGB Percent	44%, 42%, 25%
CMY	0.5647, 0.5843, 0.7529
CMYK	0.00, 0.05, 0.43, 0.56
HSL	54°, 28%, 34%
HSV	54°, 43%, 44%
XYZ	12.6068, 14.0465, 6.7494
YIQ	102.5930, 16.7830, -12.3130

Conversions

Conversions Part 2

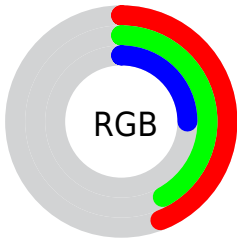
Format	Color
RYB	69, 111, 63
Decimal	7301695
CIELab	44.30, -4.92, 24.81
CIELCh	44, 25.295, 101.217
Yxy	14.0465, 0.3774, 0.4205
Android (android.graphics.Color)	4285491775 (0xFF6F6A3F)
YUV	102.5930, -19.5193, 7.3729
Hunter-Lab	37.4787, -5.5451, 15.5577

Details

The XYZ color **12.6068, 14.0465, 6.7494** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.9862, 6.3385, 15.8941**, and the grayscale version is **12.8318, 13.5000, 14.7015**.

A 20% lighter version of the original color is **30.2361, 33.1542, 19.8447**, and **3.6681, 4.1991, 1.2333** is the 20% darker color. If you saturate the color by 10%, you get **12.2092, 13.6987, 5.2378**, and if you desaturate by 10%, it is **13.0692, 14.4238, 8.5917**.

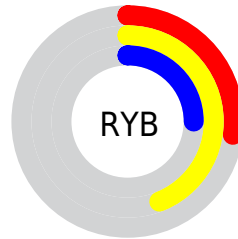
Distribution



Red (44%)

Green (42%)

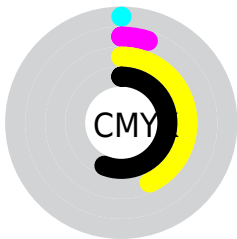
Blue (25%)



Red (27%)

Yellow (44%)

Blue (25%)

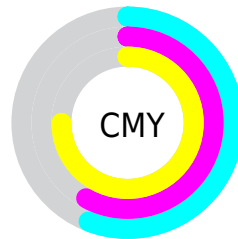


Cyan (0%)

Magenta (5%)

Yellow (43%)

Black (56%)



Cyan (56%)

Magenta (58%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6068, 14.0465, 6.7494 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 12.6068, 14.0465, 6.7494 by changing the saturation by 10% instead.

12.6068, 14.0465,
6.7494

12.6068, 14.0465,
6.7494

202.0710,
217.5199, 175.1160

7.2335, 8.1530,
3.2298

30.2029, 33.1715,
19.9715

3.6562, 4.1930,
1.2131

43.1564, 47.1718,
30.5111

1.5095, 1.7821,
0.0000

59.3674, 64.6432,
44.2277

0.3323, 0.4760,
0.0000

79.2011, 85.9701,
61.5400

0.0000, 0.0000,
0.0000

103.0230,
111.5367, 82.8664

131.1983,

141.7277, 108.6255

164.0926,
176.9273, 139.2359

■ 12.6068, 14.0465,
6.7494

■ 12.6068, 14.0465,
6.7494

■ 12.2092, 13.6987,
5.2378

■ 13.0692, 14.4238,
8.5917

■ 11.8717, 13.3770,
4.0360

■ 13.5990, 14.8301,
10.7820

■ 11.5904, 13.0803,
3.1223

■ 14.1996, 15.2674,
13.3376

■ 11.3605, 12.8067,
2.4716

■ 14.8742, 15.7368,
16.2744

■ 11.1755, 12.5537,
2.0495

■ 15.6254, 16.2395,
19.6071

■ 11.0596, 12.3877,
1.8082

■ 16.4561, 16.7766,
23.3498

■ 17.3687, 17.3491,
27.5161

■ 18.3657, 17.9579,
32.1187

■ 19.4495, 18.6042,
37.1697

Harmonies

Analogous

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



14.6456, 14.0465, 6.9728



12.6068, 14.0465, 6.7494



10.9435, 14.0465, 8.3399

Triad

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



12.6068, 14.0465, 6.7494



10.6280, 14.0465, 23.8923



17.3917, 14.0465, 19.1778

Complementary

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



12.6068, 14.0465, 6.7494



6.9862, 6.3385, 15.8941

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.



16.0874, 14.0465, 25.3224



12.6068, 14.0465, 6.7494



12.1346, 14.0465, 28.4848

Square

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



12.6068, 14.0465, 6.7494



9.8806, 14.0465, 17.5702



14.1235, 14.0465, 29.0659



17.5509, 14.0465, 13.2239

Rectangle

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



12.6068, 14.0465, 6.7494



10.2175, 14.0465, 10.5241



14.1235, 14.0465, 29.0659



17.0669, 14.0465, 21.3238

Sweetspot

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



12.6071, 14.0471, 6.7497



25.4142, 27.3298, 23.8285



9.3949, 7.3594, 6.4908



6.0570, 6.5311, 5.5158



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.6071, 14.0471, 6.7497



21.8513, 24.5195, 9.3371



11.0555, 14.0341, 6.8290



3.6137, 3.8598, 3.6279



13.0217, 14.5758, 2.1271



64.4968, 71.8687, 10.4727

Inverse Universe

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



6.9862, 6.3385, 15.8941



10.3456, 8.7458, 28.0726



8.0746, 6.4699, 15.8622



3.2430, 3.3513, 4.2301



3.5184, 1.6271, 17.8502



17.2064, 7.4647, 88.8131

Previews

White Background



This preview shows how the XYZ color 12.6068, 14.0465, 6.7494 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 12.6068, 14.0465, 6.7494 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 12.6068, 14.0465, 6.7494

Background



This preview shows how black text looks on a background with the XYZ color 12.6068, 14.0465, 6.7494.



This preview shows how white text looks on a background with the XYZ color 12.6068, 14.0465,

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

12.6068, 14.0465, 6.7494

Protanopia

13.0190, 14.1069, 6.7393

Deuteranopia

14.2350, 13.9965, 6.8018



Tritanopia

14.5629, 14.1031, 16.1420

Trichromacy



Original Color

12.6068, 14.0465, 6.7494

Protanomaly

12.8882, 14.0394, 6.7332

Deuteranomaly

13.5619, 13.9379, 6.8260

Tritanomaly

13.7214, 14.0506, 12.1141

Monochromacy



Original Color

12.6068, 14.0465, 6.7494

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.6556, 13.6694, 11.2040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6068, 14.0465, 6.7494 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(111, 106, 63)` looks like.

```
.text, #text, p{  
    color:rgb(111, 106, 63)  
}
```

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(111, 106, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 106, 63) }
```

Border

The CSS property to change the border of an element to XYZ 12.6068, 14.0465, 6.7494 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(111, 106, 63) }
```


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

```
.border{ border-color:rgb(111, 106, 63) }
```

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

Here you see how a box with a 4 pixel rgb(111, 106, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 106, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 106, 63);  
box-shadow:4px 4px 4px 4px rgb(111, 106,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6068, 14.0465, 6.7494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 106, 63) }
```

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

```
.background{ background-color: rgb(111,  
106, 63) }
```

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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