

Converting Colors

XYZ(13.3391, 14.6268, 4.6028)

Have a look what the booklet for
XYZ(13.3391, 14.6268, 4.6028)
contains.

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Color

**XYZ(13.3391, 14.6268,
4.6028)**

Conversions

Conversions Part 1

Format	Color
Hex	776B2D
RGB	119, 107, 45
RGB Percent	47%, 42%, 18%
CMY	0.5333, 0.5804, 0.8235
CMYK	0.00, 0.10, 0.62, 0.53
HSL	50°, 45%, 32%
HSV	50°, 62%, 47%
XYZ	13.3391, 14.6268, 4.6028
YIQ	103.5200, 27.0540, -16.7380

Conversions

Conversions Part 2

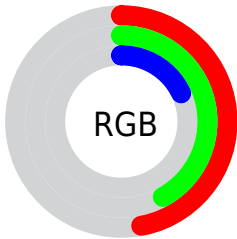
Format	Color
RYB	59, 119, 45
Decimal	7826221
CIELab	45.12, -3.61, 35.71
CIELCh	45, 35.888, 95.768
Yxy	14.6268, 0.4096, 0.4491
Android (android.graphics.Color)	4286016301 (0xFF776B2D)
YUV	103.5200, -28.8504, 13.5760
Hunter-Lab	38.2450, -4.6715, 19.6359

Details

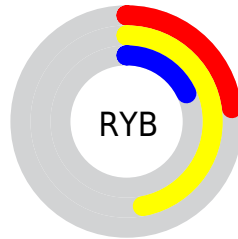
The XYZ color **13.3391, 14.6268, 4.6028** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.8750, 4.8159, 18.0726**, and the grayscale version is **13.0997, 13.7819, 15.0085**.

A 20% lighter version of the original color is **31.4362, 34.1283, 15.2865**, and **3.9998, 4.4607, 0.6502** is the 20% darker color. If you saturate the color by 10%, you get **12.9428, 14.1506, 3.4955**, and if you desaturate by 10%, it is **13.8052, 15.1392, 6.0526**.

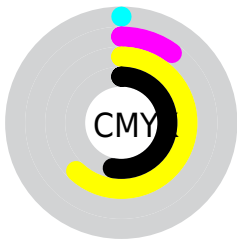
Distribution



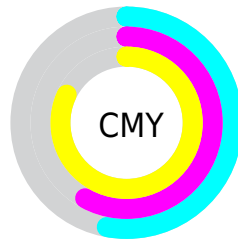
- Red (47%)
- Green (42%)
- Blue (18%)



- Red (23%)
- Yellow (47%)
- Blue (18%)



- Cyan (0%)
- Magenta (10%)
- Yellow (62%)
- Black (53%)



- Cyan (53%)
- Magenta (58%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3391, 14.6268, 4.6028 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 13.3391, 14.6268, 4.6028 by changing the saturation by 10% instead.

■ 13.3391, 14.6268,
4.6028

■ 13.3391, 14.6268,
4.6028

206.6736,
221.0961, 154.7068

■ 7.7411, 8.5579,
1.9615

■ 31.5078, 34.1971,
15.3777

■ 3.9801, 4.4540,
0.5315

■ 44.8092, 48.4673,
24.3485

■ 1.6909, 1.9306,
0.0000

■ 61.4091, 66.2401,
36.2661

■ 0.4506, 0.5667,
0.0000

■ 81.6729, 87.8998,
51.5492

■ 0.0000, 0.0000,
0.0000

■ 105.9659,
113.8309, 70.6163

■ 134.6534,

144.4177, 93.8859

168.1009,
180.0446, 121.7765

■ 13.3391, 14.6268,
4.6028

■ 13.3391, 14.6268,
4.6028

■ 12.9428, 14.1506,
3.4955

■ 13.8052, 15.1392,
6.0526

■ 12.6096, 13.7062,
2.7003

■ 14.3451, 15.6879,
7.8700

■ 12.3333, 13.2916,
2.1826

■ 14.9636, 16.2752,
10.0788

■ 12.1369, 12.9803,
1.8658

■ 15.6647, 16.9029,
12.7006

■ 16.4525, 17.5726,
15.7553

■ 17.3303, 18.2858,
19.2618

■ 18.3016, 19.0438,
23.2374

■ 19.3695, 19.8479,
27.6990

■ 20.5371, 20.6995,
32.6622

Harmonies

Analogous

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



16.3671, 14.6268, 5.2191



13.3391, 14.6268, 4.6028



10.8388, 14.6268, 6.0357

Triad

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



13.3391, 14.6268, 4.6028



9.7831, 14.6268, 27.4560



19.7536, 14.6268, 23.5815

Complementary

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



13.3391, 14.6268, 4.6028



5.8750, 4.8159, 18.0726

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.



17.4947, 14.6268, 33.1132



13.3391, 14.6268, 4.6028



11.6984, 14.6268, 35.8493

Square

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



13.3391, 14.6268, 4.6028



8.9810, 14.6268, 17.6181



14.4812, 14.6268, 38.2207



20.3560, 14.6268, 14.3461

Rectangle

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



13.3391, 14.6268, 4.6028



9.7141, 14.6268, 8.4142



14.4812, 14.6268, 38.2207



19.1486, 14.6268, 26.9453

Sweetspot

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



13.3394, 14.6275, 4.6031



28.4168, 30.5850, 24.1429



9.2931, 6.0976, 4.6019



6.6589, 7.1829, 5.4318



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.



13.3394, 14.6275, 4.6031



22.8819, 24.9571, 5.5209



11.7209, 15.7804, 4.9109



3.9186, 4.1701, 3.9407



12.8891, 13.7794, 1.9804



62.2841, 66.0966, 9.4752

Inverse Universe

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



5.8750, 4.8159, 18.0726



8.2982, 5.8203, 31.9391



6.7701, 4.4986, 17.9642



3.5442, 3.6770, 4.6132



3.7851, 1.9099, 18.7117



18.0158, 8.4483, 91.0414

Previews

White Background



This preview shows how the XYZ color 13.3391, 14.6268, 4.6028 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 13.3391, 14.6268, 4.6028 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 13.3391, 14.6268, 4.6028

Background



This preview shows how black text looks on a background with the XYZ color 13.3391, 14.6268, 4.6028.



This preview shows how white text looks on a background with the XYZ color 13.3391, 14.6268,

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

13.3391, 14.6268, 4.6028

Protanopia

13.3391, 14.6268, 4.6028

Deuteranopia

14.7802, 14.6135, 4.7310



Tritanopia

15.7214, 14.5570, 16.1685

Trichromacy



Original Color

13.3391, 14.6268, 4.6028

Protanomaly

13.3391, 14.6268, 4.6028

Deuteranomaly

14.1959, 14.6099, 4.6566

Tritanomaly

14.6583, 14.5673, 10.6335

Monochromacy



Original Color

13.3391, 14.6268, 4.6028

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9196, 13.9789, 10.2009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3391, 14.6268, 4.6028 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(119, 107, 45)` looks like.

```
.text, #text, p{  
    color:rgb(119, 107, 45)  
}
```

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(119, 107, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 107, 45) }
```

Border

The CSS property to change the border of an element to XYZ 13.3391, 14.6268, 4.6028 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(119, 107, 45) }
```


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

```
.border{ border-color:rgb(119, 107, 45) }
```

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

Here you see how a box with a 4 pixel rgb(119, 107, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 107, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 107, 45);  
box-shadow:4px 4px 4px 4px rgb(119, 107,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3391, 14.6268, 4.6028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 107, 45) }
```

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

```
.background{ background-color: rgb(119,  
107, 45) }
```

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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