

Converting Colors

XYZ(12.8586, 14.2655, 3.5895)

Have a look what the booklet for
XYZ(12.8586, 14.2655, 3.5895)
contains.

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Color

**XYZ(12.7789, 14.2055,
3.5818)**

Conversions

Conversions Part 1

Format	Color
Hex	756A22
RGB	117, 106, 34
RGB Percent	46%, 42%, 13%
CMY	0.5412, 0.5843, 0.8667
CMYK	0.00, 0.09, 0.71, 0.54
HSL	52°, 55%, 30%
HSV	52°, 71%, 46%
XYZ	12.7789, 14.2055, 3.5818
YIQ	101.0810, 29.6680, -20.0600

Conversions

Conversions Part 2

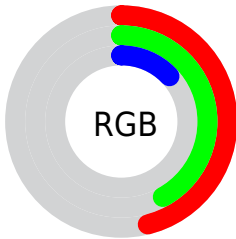
Format	Color
RYB	47, 117, 34
Decimal	7694882
CIELab	44.53, -4.74, 40.27
CIELCh	45, 40.551, 96.716
Yxy	14.2055, 0.4181, 0.4647
Android (android.graphics.Color)	4285884962 (0xFF756A22)
YUV	101.0810, -33.0709, 13.9610
Hunter-Lab	37.6902, -5.4372, 20.7486

Details

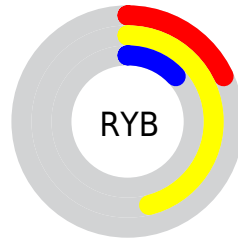
The XYZ color **12.7789, 14.2055, 3.5818** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.8090, 3.5011, 17.2518**, and the grayscale version is **12.4683, 13.1177, 14.2851**.

A 20% lighter version of the original color is **30.4129, 33.3964, 13.0268**, and **3.8107, 4.2862, 0.6265** is the 20% darker color. If you saturate the color by 10%, you get **12.4799, 13.8331, 2.7867**, and if you desaturate by 10%, it is **13.1390, 14.6080, 4.6812**.

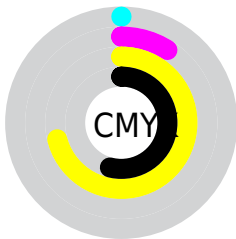
Distribution



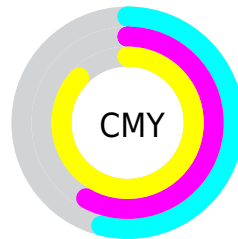
- Red (46%)
- Green (42%)
- Blue (13%)



- Red (18%)
- Yellow (46%)
- Blue (13%)



- Cyan (0%)
- Magenta (9%)
- Yellow (71%)
- Black (54%)



- Cyan (54%)
- Magenta (58%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7789, 14.2055, 3.5818 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 12.7789, 14.2055, 3.5818 by changing the saturation by 10% instead.

■ 12.7789, 14.2055,
3.5818

■ 12.7789, 14.2055,
3.5818

203.1621,
218.5055, 143.4570

■ 7.3524, 8.2637,
1.3988

■ 30.5107, 33.4532,
13.0332

■ 3.7317, 4.2642,
0.1408

■ 43.5467, 47.5279,
21.1387

■ 1.5515, 1.8224,
0.0000

■ 59.8500, 65.0825,
32.0554

■ 0.3605, 0.5011,
0.0000

■ 79.7858, 86.5012,
46.2020

■ 0.0000, 0.0000,
0.0000

■ 103.7196,
112.1684, 63.9969

■ 132.0167,

142.4686, 85.8587

165.0424,
177.7862, 112.2059

12.7789, 14.2055,
3.5818

12.7789, 14.2055,
3.5818

12.4799, 13.8331,
2.7867

13.1390, 14.6080,
4.6812

12.2348, 13.4864,
2.2630

13.5644, 15.0407,
6.1120

12.0383, 13.1864,
1.9107

14.0602, 15.5063,
7.8989

14.6306, 16.0064,
10.0642

15.2795, 16.5426,
12.6284

■ 16.0105, 17.1164,
15.6106

■ 16.8271, 17.7292,
19.0284

■ 17.7324, 18.3822,
22.8986

■ 18.7294, 19.0768,
27.2370

Harmonies

Analogous

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



16.1466, 14.2055, 4.1132



12.7789, 14.2055, 3.5818



10.0768, 14.2055, 5.0483

Triad

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



12.7789, 14.2055, 3.5818



9.0578, 14.2055, 28.9455



20.1500, 14.2055, 23.7457

Complementary

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



12.7789, 14.2055, 3.5818



4.8090, 3.5011, 17.2518

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.



17.6265, 14.2055, 34.8909



12.7789, 14.2055, 3.5818



11.1630, 14.2055, 38.6450

Square

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



12.7789, 14.2055, 3.5818



8.1647, 14.2055, 17.6734



14.2517, 14.2055, 41.1743



20.7695, 14.2055, 13.4530

Rectangle

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



12.7789, 14.2055, 3.5818



8.8930, 14.2055, 7.5323



14.2517, 14.2055, 41.1743



19.4785, 14.2055, 27.6227

Sweetspot

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



12.7792, 14.2062, 3.5821



27.2869, 29.5633, 22.3155



8.3831, 5.1161, 3.0352



6.2148, 6.7493, 4.8953



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.7792, 14.2062, 3.5821



22.0628, 24.3775, 4.3505



10.5402, 14.8435, 3.8231



3.9273, 4.1875, 3.9436



13.2558, 14.5127, 2.1026



64.1476, 69.8236, 10.0964

Inverse Universe

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



4.8090, 3.5011, 17.2518



6.8669, 4.0112, 30.5493



5.9257, 3.5332, 17.1992



3.5362, 3.6610, 4.6105



3.7262, 1.7921, 18.6921



17.7865, 7.9896, 90.9650

Previews

White Background



This preview shows how the XYZ color 12.7789, 14.2055, 3.5818 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 12.7789, 14.2055, 3.5818 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 12.7789, 14.2055, 3.5818

Background



This preview shows how black text looks on a background with the XYZ color 12.7789, 14.2055, 3.5818.



This preview shows how white text looks on a background with the XYZ color 12.7789, 14.2055,

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

12.7789, 14.2055, 3.5818

Protanopia

12.9140, 14.2751, 3.5881

Deuteranopia

14.3913, 14.1473, 3.6413



Tritanopia

15.2841, 14.1962, 15.8445

Trichromacy



Original Color

12.7789, 14.2055, 3.5818

Protanomaly

12.9140, 14.2751, 3.5881

Deuteranomaly

13.8071, 14.1361, 3.5909

Tritanomaly

14.0845, 14.1469, 9.5777

Monochromacy



Original Color

12.7789, 14.2055, 3.5818

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.2532, 13.3621, 8.9545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7789, 14.2055, 3.5818 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(117, 106, 34)` looks like.

```
.text, #text, p{  
    color:rgb(117, 106, 34)  
}
```

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(117, 106, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 106, 34) }
```

Border

The CSS property to change the border of an element to XYZ 12.7789, 14.2055, 3.5818 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(117, 106, 34) }
```


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

```
.border{ border-color:rgb(117, 106, 34) }
```

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

Here you see how a box with a 4 pixel rgb(117, 106, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 106, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 106, 34);  
box-shadow:4px 4px 4px 4px rgb(117, 106,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7789, 14.2055, 3.5818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 106, 34) }
```

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

```
.background{ background-color: rgb(117,  
106, 34) }
```

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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