

Converting Colors

XYZ(12.7766, 14.0932, 2.9382)

Have a look what the booklet for
XYZ(12.7766, 14.0932, 2.9382)
contains.

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Color

**XYZ(12.6877, 14.0207,
2.9017)**

Conversions

Conversions Part 1

Format	Color
Hex	766918
RGB	118, 105, 24
RGB Percent	46%, 41%, 9%
CMY	0.5373, 0.5882, 0.9059
CMYK	0.00, 0.11, 0.80, 0.54
HSL	52°, 66%, 28%
HSV	52°, 80%, 46%
XYZ	12.6877, 14.0207, 2.9017
YIQ	99.6530, 33.7490, -22.4350

Conversions

Conversions Part 2

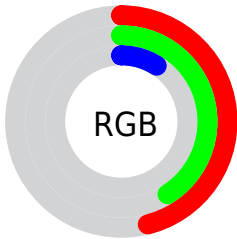
Format	Color
R_{YB}	39, 118, 24
Decimal	7760152
CIE Lab	44.26, -4.22, 44.16
CIE LCh	44, 44.363, 95.455
Yxy	14.0207, 0.4285, 0.4735
Android (android.graphics.Color)	4285950232 (0xFF766918)
YUV	99.6530, -37.2969, 16.0903
Hunter-Lab	37.4442, -5.0440, 21.6163

Details

The XYZ color **12.6877, 14.0207, 2.9017** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.3083, 2.8253, 17.4577**, and the grayscale version is **12.1110, 12.7417, 13.8757**.

A 20% lighter version of the original color is **30.3920, 33.1692, 11.4571**, and **3.8278, 4.2194, 0.6127** is the 20% darker color. If you saturate the color by 10%, you get **12.4261, 13.6533, 2.3348**, and if you desaturate by 10%, it is **13.0063, 14.4172, 3.7506**.

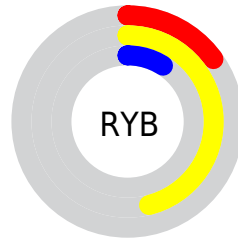
Distribution



Red (46%)

Green (41%)

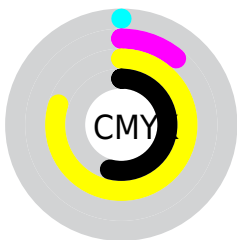
Blue (9%)



Red (15%)

Yellow (46%)

Blue (9%)

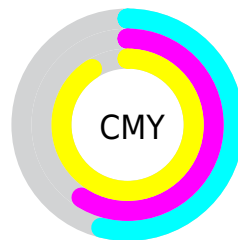


Cyan (0%)

Magenta (11%)

Yellow (80%)

Black (54%)



Cyan (54%)

Magenta (59%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6877, 14.0207, 2.9017 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 12.6877, 14.0207, 2.9017 by changing the saturation by 10% instead.

■ 12.6877, 14.0207,
2.9017

■ 12.6877, 14.0207,
2.9017

202.5847,
217.3596, 135.0986

■ 7.2894, 8.1351,
1.0447

■ 30.3477, 33.1258,
11.3849

■ 3.6917, 4.1815,
0.0000

■ 43.3400, 47.1140,
18.8481

■ 1.5292, 1.7756,
0.0000

■ 59.5944, 64.5718,
29.0172

■ 0.3456, 0.4719,
0.0000

■ 79.4763, 85.8837,
42.3106

■ 0.0000, 0.0000,
0.0000

■ 103.3508,
111.4340, 59.1469

■ 131.5835,

141.6072, 79.9447

164.5397,
176.7876, 105.1224

12.6877, 14.0207,
2.9017

12.6877, 14.0207,
2.9017

12.4261, 13.6533,
2.3348

13.0063, 14.4172,
3.7506

12.1993, 13.3042,
1.9366

13.3872, 14.8431,
4.9130

12.1916, 13.2924,
1.9231

13.8360, 15.3014,
6.4169

14.3574, 15.7939,
8.2872

14.9557, 16.3223,
10.5465

■ 15.6349, 16.8884,
13.2153

■ 16.3986, 17.4935,
16.3129

■ 17.2502, 18.1391,
19.8573

■ 18.1930, 18.8265,
23.8655

Harmonies

Analogous

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



16.3686, 14.0207, 3.4927



12.6877, 14.0207, 2.9017



9.7451, 14.0207, 4.2352

Triad

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



12.6877, 14.0207, 2.9017



8.5023, 14.0207, 29.6500



20.5520, 14.0207, 24.9154

Complementary

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



12.6877, 14.0207, 2.9017



4.3083, 2.8253, 17.4577

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.



17.6921, 14.0207, 37.3770



12.6877, 14.0207, 2.9017



10.6863, 14.0207, 40.8563

Square

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



12.6877, 14.0207, 2.9017



7.6194, 14.0207, 17.2014



13.9859, 14.0207, 44.1781



21.3443, 14.0207, 13.4818

Rectangle

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



12.6877, 14.0207, 2.9017



8.4563, 14.0207, 6.6456



13.9859, 14.0207, 44.1781



19.7785, 14.0207, 29.2561

Sweetspot

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



12.6880, 14.0214, 2.9020



26.8834, 29.1954, 20.8269



8.1494, 4.6455, 2.3096



6.1047, 6.6485, 4.4905



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.



12.6880, 14.0214, 2.9020



21.5158, 23.4766, 3.5732



10.3988, 14.9588, 3.2036



3.9256, 4.1841, 3.9430



13.1831, 14.3674, 2.0784



63.7777, 69.0839, 9.9731

Inverse Universe

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



4.3083, 2.8253, 17.4577



6.2053, 3.0973, 30.4078



5.2785, 2.8284, 17.4072



3.5377, 3.6641, 4.6110



3.7370, 1.8136, 18.6957



17.8276, 8.0717, 90.9787

Previews

White Background



This preview shows how the XYZ color 12.6877, 14.0207, 2.9017 looks on a white background.

Color Contrast Check

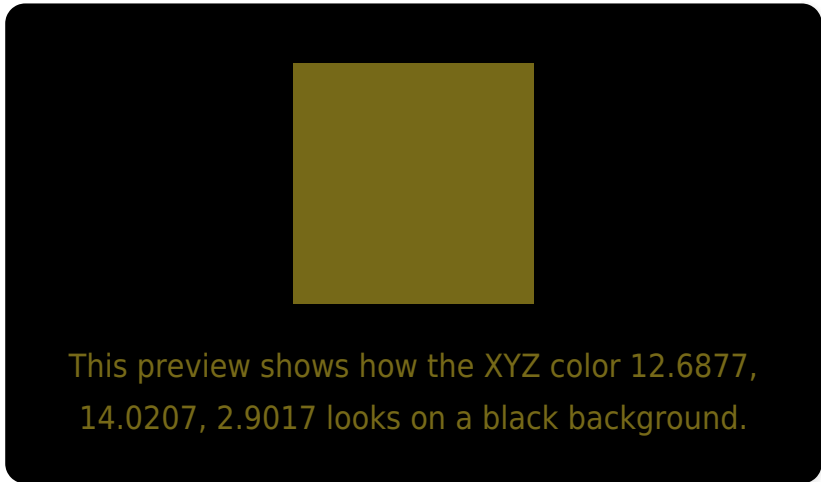
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

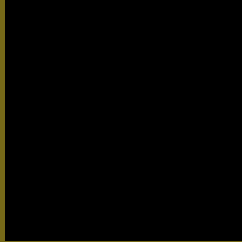
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6877, 14.0207, 2.9017

Background



This preview shows how black text looks on a background with the XYZ color 12.6877, 14.0207, 2.9017.



This preview shows how white text looks on a background with the XYZ color 12.6877, 14.0207,

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

12.6877, 14.0207, 2.9017

Protanopia

12.6877, 14.0207, 2.9017

Deuteranopia

14.1754, 13.9083, 2.9744



Tritanopia

15.2297, 14.0404, 15.2720

Trichromacy



Original Color

12.6877, 14.0207, 2.9017

Protanomaly

12.6877, 14.0207, 2.9017

Deuteranomaly

13.5925, 13.8940, 2.9427

Tritanomaly

13.9842, 13.9667, 8.7963

Monochromacy



Original Color

12.6877, 14.0207, 2.9017

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.9845, 13.0964, 8.0271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6877, 14.0207, 2.9017 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(118, 105, 24)` looks like.

```
.text, #text, p{  
    color:rgb(118, 105, 24)  
}
```

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(118, 105, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 105, 24) }
```

Border

The CSS property to change the border of an element to XYZ 12.6877, 14.0207, 2.9017 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(118, 105, 24) }
```


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

```
.border{ border-color:rgb(118, 105, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 105, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 105, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 105, 24);  
box-shadow:4px 4px 4px 4px rgb(118, 105,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6877, 14.0207, 2.9017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 105, 24) }
```

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

```
.background{ background-color: rgb(118,  
105, 24) }
```

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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