

Converting Colors

XYZ(13.0485, 12.6321, 2.9341)

Have a look what the booklet for
XYZ(13.0485, 12.6321, 2.9341)
contains.

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Color

**XYZ(12.9769, 12.6061,
2.9117)**

Conversions

Conversions Part 1

Format	Color
Hex	7F5E1D
RGB	127, 94, 29
RGB Percent	50%, 37%, 11%
CMY	0.5020, 0.6314, 0.8863
CMYK	0.00, 0.26, 0.77, 0.50
HSL	40°, 63%, 31%
HSV	40°, 77%, 50%
XYZ	12.9769, 12.6061, 2.9117
YIQ	96.4570, 40.5330, -13.2190

Conversions

Conversions Part 2

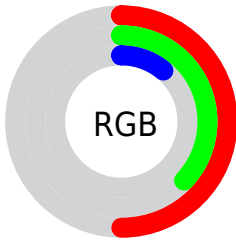
Format	Color
R_{YB}	79, 127, 29
Decimal	8347165
CIE _{Lab}	42.16, 6.76, 40.47
CIE _{LCh}	42, 41.034, 80.522
Yxy	12.6061, 0.4554, 0.4424
Android (android.graphics.Color)	4286537245 (0xFF7F5E1D)
YUV	96.4570, -33.2563, 26.7862
Hunter-Lab	35.5051, 3.1069, 19.9913

Details

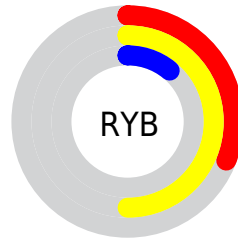
The XYZ color **12.9769, 12.6061, 2.9117** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.0601, 5.2388, 20.7704**, and the grayscale version is **11.3014, 11.8899, 12.9481**.

A 20% lighter version of the original color is **30.8768, 30.5639, 11.4798**, and **3.8810, 3.5698, 0.4845** is the 20% darker color. If you saturate the color by 10%, you get **12.4814, 11.8167, 2.1252**, and if you desaturate by 10%, it is **13.5589, 13.4648, 4.0470**.

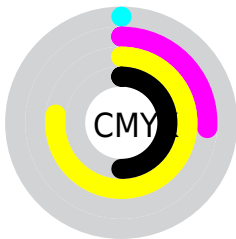
Distribution



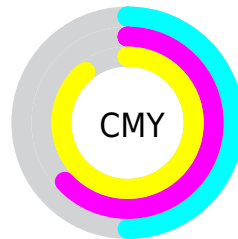
- Red (50%)
- Green (37%)
- Blue (11%)



- Red (31%)
- Yellow (50%)
- Blue (11%)



- Cyan (0%)
- Magenta (26%)
- Yellow (77%)
- Black (50%)



- Cyan (50%)
- Magenta (63%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9769, 12.6061, 2.9117 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 12.9769, 12.6061, 2.9117 by changing the saturation by 10% instead.

■ 12.9769, 12.6061,
2.9117

■ 12.9769, 12.6061,
2.9117

204.4102,
208.3776, 135.2279

■ 7.4895, 7.1579,
1.0497

■ 30.8639, 30.5943,
11.4098

■ 3.8191, 3.5610,
0.0000

■ 43.9943, 43.9030,
18.8829

■ 1.6003, 1.4312,
0.0000

■ 60.4031, 60.6007,
29.0636

■ 0.3926, 0.2395,
0.0000

■ 80.4556, 81.0718,
42.3703

■ 0.0000, 0.0000,
0.0000

■ 104.5172,
105.7006, 59.2215

■ 132.9533,

134.8716, 80.0358

166.1291,
168.9691, 105.2318

12.9769, 12.6061,
2.9117

12.9769, 12.6061,
2.9117

12.4814, 11.8167,
2.1252

13.5589, 13.4648,
4.0470

12.0562, 11.0881,
1.6082

14.2339, 14.3945,
5.5680

11.9412, 10.8896,
1.4725

15.0088, 15.3989,
7.5076

15.8893, 16.4808,
9.8949

16.8809, 17.6429,
12.7565

■ 17.9884, 18.8876,
16.1169

■ 19.2164, 20.2172,
19.9987

■ 20.5692, 21.6340,
24.4235

■ 22.0511, 23.1399,
29.4112

Harmonies

Analogous

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



16.1250, 12.6061, 4.3956



12.9769, 12.6061, 2.9117



10.0353, 12.6061, 3.2205

Triad

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



12.9769, 12.6061, 2.9117



7.2732, 12.6061, 20.5205



17.1207, 12.6061, 27.4672

Complementary

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



12.9769, 12.6061, 2.9117



6.0601, 5.2388, 20.7704

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.



14.1648, 12.6061, 36.3259



12.9769, 12.6061, 2.9117



8.6169, 12.6061, 31.2716

Square

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



12.9769, 12.6061, 2.9117



7.0651, 12.6061, 11.1340



11.0388, 12.6061, 37.9554



18.7720, 12.6061, 16.6917

Rectangle

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



12.9769, 12.6061, 2.9117



8.5512, 12.6061, 4.4885



11.0388, 12.6061, 37.9554



16.2253, 12.6061, 30.9313

Sweetspot

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



12.9772, 12.6067, 2.9119



30.9224, 32.3830, 24.9145



10.0975, 5.7532, 5.3252



7.1002, 7.4230, 5.4155



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.9772, 12.6067, 2.9119



21.7375, 20.1057, 3.0703



14.5316, 18.7319, 4.0123



4.5472, 4.7831, 4.6037



12.0418, 10.9799, 1.4847



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.0601, 5.2388, 20.7704



8.8118, 6.4306, 36.7331



5.2962, 2.9401, 20.3670



4.2180, 4.4301, 5.4460



4.7248, 3.2681, 20.6317



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.9769, 12.6061, 2.9117 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 12.9769, 12.6061, 2.9117 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 12.9769, 12.6061, 2.9117

Background



This preview shows how black text looks on a background with the XYZ color 12.9769, 12.6061, 2.9117.



This preview shows how white text looks on a background with the XYZ color 12.9769, 12.6061,

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

12.9769, 12.6061, 2.9117

Protanopia

11.4866, 12.6580, 3.1342

Deuteranopia

12.7714, 12.6331, 2.9277



Tritanopia

14.8702, 12.6129, 12.2405

Trichromacy



Original Color

12.9769, 12.6061, 2.9117

Protanomaly

11.9381, 12.6110, 3.0333

Deuteranomaly

12.9182, 12.7087, 2.9346

Tritanomaly

13.9676, 12.5004, 7.4710

Monochromacy



Original Color

12.9769, 12.6061, 2.9117

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.3253, 11.7781, 7.8074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9769, 12.6061, 2.9117 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(127, 94, 29)` looks like.

```
.text, #text, p{  
    color:rgb(127, 94, 29)  
}
```

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(127, 94, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 94, 29) }
```

Border

The CSS property to change the border of an element to XYZ 12.9769, 12.6061, 2.9117 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(127, 94, 29) }
```


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

```
.border{ border-color:rgb(127, 94, 29) }
```

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

Here you see how a box with a 4 pixel rgb(127, 94, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 94, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 94, 29);  
box-shadow:4px 4px 4px 4px rgb(127, 94,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9769, 12.6061, 2.9117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 94, 29) }
```

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

```
.background{ background-color: rgb(127, 94,  
29) }
```

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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