

Converting Colors

XYZ(16.9086, 12.9191, 0.9090)

Have a look what the booklet for
XYZ(16.9086, 12.9191, 0.9090)
contains.

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Color

**XYZ(17.0941, 12.9629,
1.6011)**

Conversions

Conversions Part 1

Format	Color
Hex	9F4F00
RGB	159, 79, 0
RGB Percent	62%, 31%, 0%
CMY	0.3765, 0.6902, 1.0000
CMYK	0.00, 0.50, 1.00, 0.38
HSL	30°, 100%, 31%
HSV	30°, 100%, 62%
XYZ	17.0941, 12.9629, 1.6011
YIQ	93.9140, 73.0390, -7.6090

Conversions

Conversions Part 2

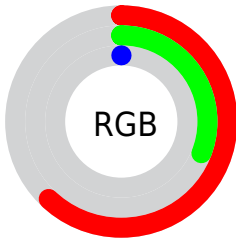
Format	Color
R_{YB}	159, 157, 0
Decimal	10440448
CIE Lab	42.71, 29.18, 52.22
CIE LCh	43, 59.822, 60.802
Yxy	12.9629, 0.5400, 0.4095
Android (android.graphics.Color)	4288630528 (0xFF9F4F00)
YUV	93.9140, -46.2996, 57.0804
Hunter-Lab	36.0040, 21.7417, 22.5662

Details

The XYZ color **17.0941, 12.9629, 1.6011** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **9.1264, 8.2401, 33.9102**, and the grayscale version is **10.7134, 11.2713, 12.2744**.

A 20% lighter version of the original color is **38.1040, 31.2116, 7.8870**, and **5.7720, 3.7423, 0.4181** is the 20% darker color. If you saturate the color by 10%, you get **17.0943, 12.9634, 1.6012**, and if you desaturate by 10%, it is **17.7994, 14.2252, 2.2940**.

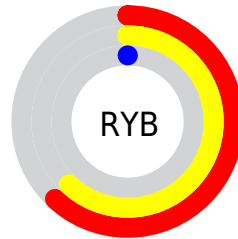
Distribution



Red (62%)

Green (31%)

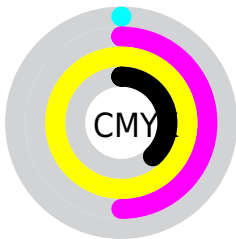
Blue (0%)



Red (62%)

Yellow (62%)

Blue (0%)

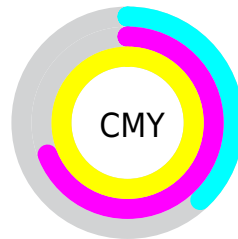


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (69%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0941, 12.9629, 1.6011 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 17.0941, 12.9629, 1.6011 by changing the saturation by 10% instead.


 17.0941, 12.9629,
1.6011


 17.0941, 12.9629,
1.6011


 228.8598,
210.6798, 115.8382


 10.3973, 7.4030,
0.2916


 38.0298, 31.2371,
7.9184


 5.7275, 3.7154,
0.0000

 52.9994, 44.7202,
13.9076

 2.7192, 1.5157,
0.0000

 71.4574, 61.6132,
22.3418

 1.0070, 0.2997,
0.0000

 93.7691, 82.3004,
33.6397


 0.0000, 0.0000,
0.0000


 120.2998,
107.1663, 48.2197


 151.4149,


136.5952, 66.5005


 187.4798,
170.9716, 88.9004


 17.0941, 12.9629,
1.6011


 17.0941, 12.9629,
1.6011


 17.0943, 12.9634,
1.6012

 17.7994, 14.2252,
2.2940

 18.6486, 15.6593,
3.3921

 19.6760, 17.2831,
5.0631

 20.8970, 19.1062,
7.3778

 22.3248, 21.1371,
10.3966

■ 23.9716, 23.3839,
14.1727

■ 25.8482, 25.8538,
18.7542

■ 27.9647, 28.5539,
24.1854

■ 30.3305, 31.4908,
30.5069

Harmonies

Analogous

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



21.4537, 12.9629, 4.7867



17.0941, 12.9629, 1.6011



12.1990, 12.9629, 0.9660

Triad

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



17.0941, 12.9629, 1.6011



5.4862, 12.9629, 14.4675



17.3589, 12.9629, 48.3684

Complementary

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



17.0941, 12.9629, 1.6011



9.1264, 8.2401, 33.9102

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.



12.4435, 12.9629, 56.8377



17.0941, 12.9629, 1.6011



6.2362, 12.9629, 31.1987

Square

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



17.0941, 12.9629, 1.6011



6.1588, 12.9629, 5.0877



8.5308, 12.9629, 49.1688



21.6311, 12.9629, 30.1807

Rectangle

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



17.0941, 12.9629, 1.6011



9.4709, 12.9629, 1.2650



8.5308, 12.9629, 49.1688



15.6919, 12.9629, 52.8138

Sweetspot

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



17.0944, 12.9636, 1.6013



46.0884, 46.0381, 33.0777



15.8268, 7.9824, 8.7194



10.0805, 9.9743, 6.6903



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



17.0944, 12.9636, 1.6013



30.4202, 22.8279, 2.8029



26.2453, 31.2654, 4.6516



6.8916, 7.1632, 7.0051



13.5434, 10.3225, 1.2786



0.2844, 0.2691, 0.0370

Inverse Universe

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



9.1264, 8.2401, 33.9102



16.1497, 14.3674, 60.6654



6.2868, 2.5608, 32.9637



6.5467, 6.9591, 8.4049



7.2502, 6.5919, 26.7975



0.1719, 0.2025, 0.4932

Previews

White Background



This preview shows how the XYZ color 17.0941, 12.9629, 1.6011 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 17.0941, 12.9629, 1.6011

Background



This preview shows how black text looks on a background with the XYZ color 17.0941, 12.9629, 1.6011.



This preview shows how white text looks on a background with the XYZ color 17.0941, 12.9629,

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

17.0941, 12.9629, 1.6011

Protanopia

11.9009, 13.1793, 2.3321

Deuteranopia

13.0850, 12.9549, 1.8109



Tritanopia

18.4556, 12.8922, 8.7235

Trichromacy



Original Color

17.0941, 12.9629, 1.6011

Protanomaly

13.4121, 12.8504, 2.0319

Deuteranomaly

14.3036, 12.8013, 1.7170

Tritanomaly

17.5890, 12.7360, 4.5489

Monochromacy



Original Color

17.0941, 12.9629, 1.6011

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.8592, 11.3226, 5.8354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0941, 12.9629, 1.6011 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(159, 79, 0)` looks like.

```
.text, #text, p{  
    color:rgb(159, 79, 0)  
}
```

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(159, 79, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 79, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.0941, 12.9629, 1.6011 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(159, 79, 0) }
```


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

```
.border{ border-color:rgb(159, 79, 0) }
```

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

Here you see how a box with a 4 pixel rgb(159, 79, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 79, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 79, 0);  
box-shadow:4px 4px 4px 4px rgb(159, 79, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.0941, 12.9629, 1.6011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 79, 0) }
```

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

```
.background{ background-color: rgb(159, 79,  
0) }
```

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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