

Converting Colors

XYZ(12.7178, 13.4369, 1.9233)

Have a look what the booklet for
XYZ(12.7178, 13.4369, 1.9233)
contains.

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Color

**XYZ(12.6797, 13.4449,
1.9268)**

Conversions

Conversions Part 1

Format	Color
Hex	7A6500
RGB	122, 101, 0
RGB Percent	48%, 40%, 0%
CMY	0.5216, 0.6039, 1.0000
CMYK	0.00, 0.17, 1.00, 0.52
HSL	50°, 100%, 24%
HSV	50°, 100%, 48%
XYZ	12.6797, 13.4449, 1.9268
YIQ	95.7650, 44.9370, -26.9590

Conversions

Conversions Part 2

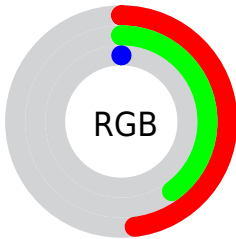
Format	Color
RYB	25, 122, 0
Decimal	8021248
CIELab	43.43, -0.67, 50.34
CIELCh	43, 50.345, 90.757
Yxy	13.4449, 0.4520, 0.4793
Android (android.graphics.Color)	4286211328 (0xFF7A6500)
YUV	95.7650, -47.2121, 23.0081
Hunter-Lab	36.6673, -2.4417, 22.5515

Details

The XYZ color **12.6797, 13.4449, 1.9268** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.7811, 1.9415, 18.5877**, and the grayscale version is **11.1648, 11.7462, 12.7916**.

A 20% lighter version of the original color is **30.4039, 32.2477, 8.8969**, and **3.8204, 3.9976, 0.5703** is the 20% darker color. If you saturate the color by 10%, you get **12.6799, 13.4454, 1.9269**, and if you desaturate by 10%, it is **12.9541, 13.8856, 2.3518**.

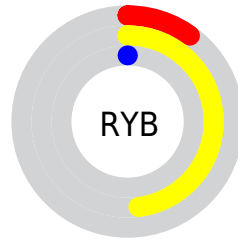
Distribution



Red (48%)

Green (40%)

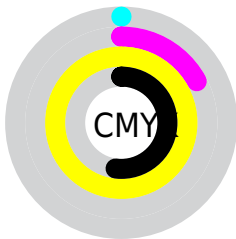
Blue (0%)



Red (10%)

Yellow (48%)

Blue (0%)

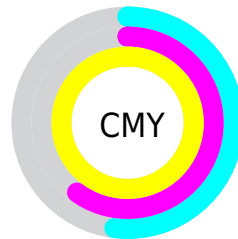


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (52%)



Cyan (52%)

Magenta (60%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6797, 13.4449, 1.9268 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 12.6797, 13.4449, 1.9268 by changing the saturation by 10% instead.

■ 12.6797, 13.4449,
1.9268

■ 12.6797, 13.4449,
1.9268

■ 202.5339,
213.7496, 121.2296

■ 7.2838, 7.7356,
0.5097

■ 30.3334, 32.1008,
8.8397

■ 3.6881, 3.9262,
0.0000

■ 43.3219, 45.8162,
15.2403

■ 1.5273, 1.6324,
0.0000

■ 59.5720, 62.9691,
24.1617

■ 0.3443, 0.3793,
0.0000

■ 79.4491, 83.9438,
36.0224

■ 0.0000, 0.0000,
0.0000

■ 103.3184,
109.1249, 51.2410

■ 131.5455,

138.8966, 70.2360

■ 164.4955,
173.6434, 93.4261

■ 12.6797, 13.4449,
1.9268

■ 12.6797, 13.4449,
1.9268

■ 12.6799, 13.4454,
1.9269

■ 12.9541, 13.8856,
2.3518

■ 13.2673, 14.3497,
2.9569

■ 13.6430, 14.8472,
3.8646

■ 14.0879, 15.3809,
5.1104

■ 14.6077, 15.9532,
6.7248

■ 15.2078, 16.5662,
8.7349

■ 15.8928, 17.2219,
11.1652

■ 16.6669, 17.9219,
14.0383

■ 17.5343, 18.6681,
17.3751

Harmonies

Analogous

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



16.8247, 13.4449, 2.7290



12.6797, 13.4449, 1.9268



9.2999, 13.4449, 2.8231

Triad

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



12.6797, 13.4449, 1.9268



7.3359, 13.4449, 28.6804



20.5457, 13.4449, 27.9143

Complementary

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



12.6797, 13.4449, 1.9268



3.7811, 1.9415, 18.5877

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.



17.0326, 13.4449, 42.1163



12.6797, 13.4449, 1.9268



9.4401, 13.4449, 42.6956

Square

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



12.6797, 13.4449, 1.9268



6.6283, 13.4449, 14.9261



12.8788, 13.4449, 48.5551



21.8911, 13.4449, 14.3560

Rectangle

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



12.6797, 13.4449, 1.9268



7.7866, 13.4449, 4.7914



12.8788, 13.4449, 48.5551



19.5480, 13.4449, 32.9741

Sweetspot

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



12.6800, 13.4456, 1.9271



27.8676, 30.2123, 19.3066



8.1744, 4.1970, 1.1572



6.2761, 6.8177, 4.0702



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.



12.6800, 13.4456, 1.9271



22.2217, 23.4823, 3.3613



10.5593, 15.7747, 2.4884



4.2519, 4.5222, 4.2733



13.3448, 14.1455, 2.0270



63.1089, 66.3813, 9.4867

Inverse Universe

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



3.7811, 1.9415, 18.5877



6.5769, 3.2656, 32.6766



4.3359, 1.8295, 18.5368



3.8483, 3.9949, 5.0114



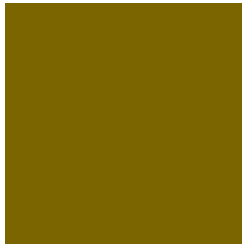
3.9760, 2.0345, 19.5684



18.5224, 8.8174, 93.1955

Previews

White Background



This preview shows how the XYZ color 12.6797, 13.4449, 1.9268 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

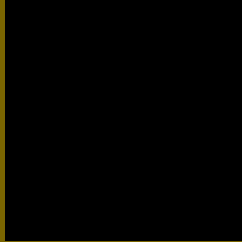
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6797, 13.4449, 1.9268

Background



This preview shows how black text looks on a background with the XYZ color 12.6797, 13.4449, 1.9268.



This preview shows how white text looks on a background with the XYZ color 12.6797, 13.4449,

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

12.6797, 13.4449, 1.9268

Protanopia

12.0801, 13.4245, 2.0981

Deuteranopia

13.6284, 13.5031, 2.1752



Tritanopia

15.1041, 13.4570, 14.1133

Trichromacy



Original Color

12.6797, 13.4449, 1.9268

Protanomaly

12.2390, 13.3609, 2.0200

Deuteranomaly

13.2471, 13.4489, 2.0700

Tritanomaly

13.6576, 13.2795, 6.6939

Monochromacy



Original Color

12.6797, 13.4449, 1.9268

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.0357, 12.0755, 6.1640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6797, 13.4449, 1.9268 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(122, 101, 0)` looks like.

```
.text, #text, p{  
    color:rgb(122, 101, 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(122, 101, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 101, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.6797, 13.4449, 1.9268 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(122, 101, 0) }
```


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

```
.border{ border-color:rgb(122, 101, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 101, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 101, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 101, 0);  
box-shadow:4px 4px 4px 4px rgb(122, 101,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6797, 13.4449, 1.9268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 101, 0) }
```

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

```
.background{ background-color: rgb(122,  
101, 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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