

Converting Colors

XYZ(12.1366, 12.3282, 1.5023)

Have a look what the booklet for
XYZ(12.1366, 12.3282, 1.5023)
contains.

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Color

**XYZ(12.1182, 12.3220,
1.7397)**

Conversions

Conversions Part 1

Format	Color
Hex	7A5F00
RGB	122, 95, 0
RGB Percent	48%, 37%, 0%
CMY	0.5216, 0.6274, 1.0000
CMYK	0.00, 0.22, 1.00, 0.52
HSL	47°, 100%, 24%
HSV	47°, 100%, 48%
XYZ	12.1182, 12.3220, 1.7397
YIQ	92.2430, 46.5870, -23.8210

Conversions

Conversions Part 2

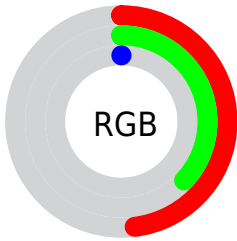
Format	Color
RYB	35, 122, 0
Decimal	8019712
CIELab	41.72, 2.85, 49.15
CIELCh	42, 49.232, 86.686
Yxy	12.3220, 0.4629, 0.4707
Android (android.graphics.Color)	4286209792 (0xFF7A5F00)
YUV	92.2430, -45.4758, 26.0969
Hunter-Lab	35.1027, 0.1923, 21.6335

Details

The XYZ color **12.1182, 12.3220, 1.7397** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.9048, 2.1890, 18.6288**, and the grayscale version is **10.3234, 10.8611, 11.8277**.

A 20% lighter version of the original color is **29.2492, 30.0213, 8.2561**, and **3.5526, 3.4618, 0.4810** is the 20% darker color. If you saturate the color by 10%, you get **12.1183, 12.3224, 1.7398**, and if you desaturate by 10%, it is **12.4335, 12.8445, 2.1784**.

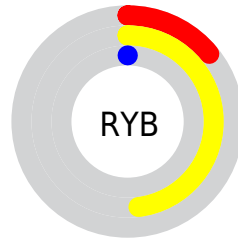
Distribution



Red (48%)

Green (37%)

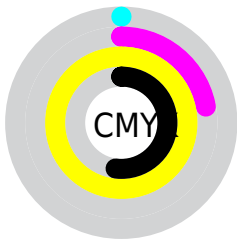
Blue (0%)



Red (14%)

Yellow (48%)

Blue (0%)

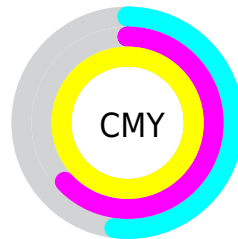


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (52%)



Cyan (52%)


Magenta (63%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.1182, 12.3220, 1.7397 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 12.1182, 12.3220, 1.7397 by changing the saturation by 10% instead.


 12.1182, 12.3220,
1.7397


 12.1182, 12.3220,
1.7397


 198.9402,
206.5255, 118.1942


 6.8970, 6.9634,
0.3877


 29.3252, 30.0802,
8.3161


 3.4435, 3.4392,
0.0000

 42.0417, 43.2486,
14.4849


 1.3924, 1.3651,
0.0000

 57.9873, 59.7890,
23.1322

 0.2508, 0.1908,
0.0000


 77.5275, 80.0859,
34.6764


 0.0000, 0.0000,
0.0000


 101.0275,
104.5236, 49.5362


 128.8527,


133.4865, 68.1301


 161.3685,
167.3590, 90.8766


 12.1182, 12.3220,
1.7397


 12.1182, 12.3220,
1.7397


 12.1183, 12.3224,
1.7398

 12.4335, 12.8445,
2.1784

 12.7909, 13.3970,
2.7981

 13.2141, 13.9895,
3.7217

 13.7099, 14.6250,
4.9845

 14.2840, 15.3058,
6.6170

■ 14.9418, 16.0342,
8.6464

■ 15.6879, 16.8122,
11.0971

■ 16.5268, 17.6417,
13.9917

■ 17.4624, 18.5243,
17.3512

Harmonies

Analogous

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



15.9600, 12.3220, 2.7083



12.1182, 12.3220, 1.7397



8.8587, 12.3220, 2.3312

Triad

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



12.1182, 12.3220, 1.7397



6.5335, 12.3220, 24.4921



18.5351, 12.3220, 27.5922

Complementary

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



12.1182, 12.3220, 1.7397



3.9048, 2.1890, 18.6288

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.



15.1196, 12.3220, 40.2277



12.1182, 12.3220, 1.7397



8.2933, 12.3220, 37.8815

Square

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



12.1182, 12.3220, 1.7397



6.0519, 12.3220, 12.2982



11.3144, 12.3220, 44.7264



20.1136, 12.3220, 14.6008

Rectangle

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



12.1182, 12.3220, 1.7397



7.3465, 12.3220, 3.8687



11.3144, 12.3220, 44.7264



17.5334, 12.3220, 32.2345

Sweetspot

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



12.1185, 12.3226, 1.7399



27.4993, 29.4756, 19.1838



8.2412, 4.2237, 1.5093



6.1835, 6.6325, 4.0393



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.



12.1185, 12.3226, 1.7399



21.2175, 21.4737, 3.0266



11.1243, 16.0659, 2.5149



4.2361, 4.4906, 4.2680



12.7527, 12.9613, 1.8296



60.1806, 60.5247, 8.5106

Inverse Universe

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



3.9048, 2.1890, 18.6288



6.7808, 3.6732, 32.7445



4.1253, 1.7210, 18.5268



3.8630, 4.0242, 5.0163



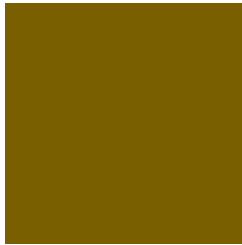
4.1055, 2.2934, 19.6116



19.0497, 9.8719, 93.3712

Previews

White Background



This preview shows how the XYZ color 12.1182, 12.3220, 1.7397 looks on a white background.

Color Contrast Check

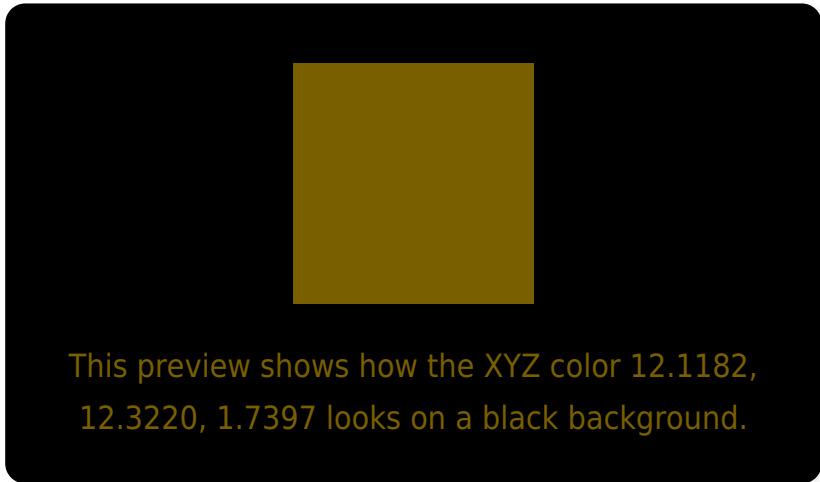
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1182, 12.3220, 1.7397

Background



This preview shows how black text looks on a background with the XYZ color 12.1182, 12.3220, 1.7397.



This preview shows how white text looks on a background with the XYZ color 12.1182, 12.3220,

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

12.1182, 12.3220, 1.7397

Protanopia

11.1768, 12.3816, 1.9731

Deuteranopia

12.4930, 12.3785, 1.9031



Tritanopia

14.3077, 12.3177, 12.4499

Trichromacy



Original Color

12.1182, 12.3220, 1.7397

Protanomaly

11.5921, 12.4571, 1.9084

Deuteranomaly

12.3368, 12.2993, 1.8386

Tritanomaly

13.0141, 12.1684, 5.9378

Monochromacy



Original Color

12.1182, 12.3220, 1.7397

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.2973, 11.0280, 5.7236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1182, 12.3220, 1.7397 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, 95, 0)` looks like.

```
.text, #text, p{  
    color:rgb(122, 95, 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, 95, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 95, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.1182, 12.3220, 1.7397 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, 95, 0) }
```


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

```
.border{ border-color:rgb(122, 95, 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, 95, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 95, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 95, 0);  
box-shadow:4px 4px 4px 4px rgb(122, 95, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.1182, 12.3220, 1.7397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 95, 0) }
```

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

```
.background{ background-color: rgb(122, 95,  
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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