

Converting Colors

XYZ(12.5818, 12.0795, 1.6684)

Have a look what the booklet for
XYZ(12.5818, 12.0795, 1.6684)
contains.

| | |
|--|----|
| XYZ(12.4935, 11.9942, 1.6566) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(12.4935, 11.9942,
1.6566)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 7F5B00 |
| RGB | 127, 91, 0 |
| RGB Percent | 50%, 36%, 0% |
| CMY | 0.5020, 0.6431, 1.0000 |
| CMYK | 0.00, 0.28, 1.00, 0.50 |
| HSL | 43°, 100%, 25% |
| HSV | 43°, 100%, 50% |
| XYZ | 12.4935, 11.9942, 1.6566 |
| YIQ | 91.3900, 50.6670, -20.6690 |

Conversions

Conversions Part 2

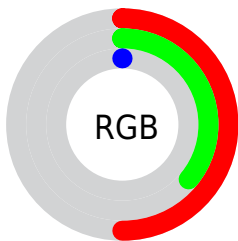
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 50, 127, 0 |
| Decimal | 8346368 |
| CIELab | 41.21, 7.64, 49.07 |
| CIELCh | 41, 49.666, 81.147 |
| Yxy | 11.9942, 0.4779, 0.4588 |
| Android (android.graphics.Color) | 4286536448 (0xFF7F5B00) |
| YUV | 91.3900, -45.0553, 31.2300 |
| Hunter-Lab | 34.6326, 3.7856, 21.4068 |

Details

The XYZ color **12.4935, 11.9942, 1.6566** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.4616, 2.7940, 20.3827**, and the grayscale version is **10.1248, 10.6521, 11.6001**.

A 20% lighter version of the original color is **30.0558, 29.5456, 8.1217**, and **3.7246, 3.3705, 0.4543** is the 20% darker color. If you saturate the color by 10%, you get **12.4937, 11.9946, 1.6567**, and if you desaturate by 10%, it is **12.8797, 12.6534, 2.1343**.

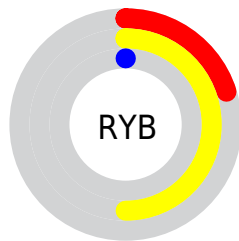
Distribution



Red (50%)

Green (36%)

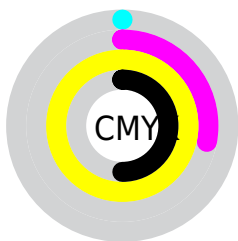
Blue (0%)



Red (20%)

Yellow (50%)

Blue (0%)

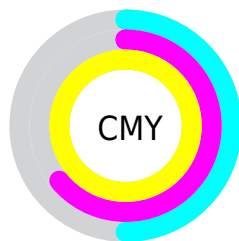


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (50%)



Cyan (50%)

Magenta (64%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4935, 11.9942, 1.6566 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 12.4935, 11.9942, 1.6566 by changing the saturation by 10% instead.

■ 12.4935, 11.9942,
1.6566

■ 12.4935, 11.9942,
1.6566

■ 201.3495,
204.3669, 116.7935

■ 7.1553, 6.7397,
0.3307

■ 29.9999, 29.4845,
8.0787

■ 3.6066, 3.2999,
0.0000

■ 42.8988, 42.4892,
14.1407

■ 1.4821, 1.2902,
0.0000

■ 59.0487, 58.8461,
22.6614

■ 0.3136, 0.1336,
0.0000

■ 78.8148, 78.9395,
34.0592


■ 0.0000, 0.0000,
0.0000


■ 102.5626,
103.1539, 48.7528


■ 130.6574,


131.8737, 67.1607


 163.4646,
165.4832, 89.7014


 12.4935, 11.9942,
1.6566


 12.4935, 11.9942,
1.6566


 12.4937, 11.9946,
1.6567

 12.8797, 12.6534,
2.1343

 13.3189, 13.3574,
2.8189

 13.8359, 14.1166,
3.8380

 14.4382, 14.9346,
5.2309

 15.1326, 15.8143,
7.0316

■ 15.9247, 16.7582,
9.2699

■ 16.8201, 17.7689,
11.9731

■ 17.8236, 18.8486,
15.1661

■ 18.9397, 19.9994,
18.8722

Harmonies

Analogous

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



16.2905, 11.9942, 2.9332



12.4935, 11.9942, 1.6566



9.0912, 11.9942, 1.9483

Triad

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



12.4935, 11.9942, 1.6566



6.1068, 11.9942, 21.5481



17.6501, 11.9942, 29.7569

Complementary

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



12.4935, 11.9942, 1.6566



4.4616, 2.7940, 20.3827

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.



14.0702, 11.9942, 41.4535



12.4935, 11.9942, 1.6566



7.6018, 11.9942, 35.2355

Square

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



12.4935, 11.9942, 1.6566



5.8584, 11.9942, 10.2526



10.3725, 11.9942, 43.8604



19.6511, 11.9942, 16.3373

Rectangle

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



12.4935, 11.9942, 1.6566



7.4417, 11.9942, 3.1248



10.3725, 11.9942, 43.8604



16.5600, 11.9942, 34.2608

Sweetspot

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



12.4938, 11.9948, 1.6568



29.9998, 31.6865, 21.0656



9.1039, 4.6527, 2.2606



6.8865, 7.2657, 4.5118



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.



12.4938, 11.9948, 1.6568



22.2430, 21.2189, 2.9233



13.0237, 17.9802, 2.7842



4.5656, 4.8198, 4.6098



12.5991, 12.0946, 1.6704



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.4616, 2.7940, 20.3827



7.8757, 4.7755, 36.4629



4.2417, 1.7442, 20.1917



4.2004, 4.3949, 5.4402



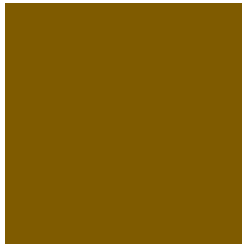
4.4985, 2.8155, 20.5563



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.4935, 11.9942, 1.6566 looks on a white background.

Color Contrast Check

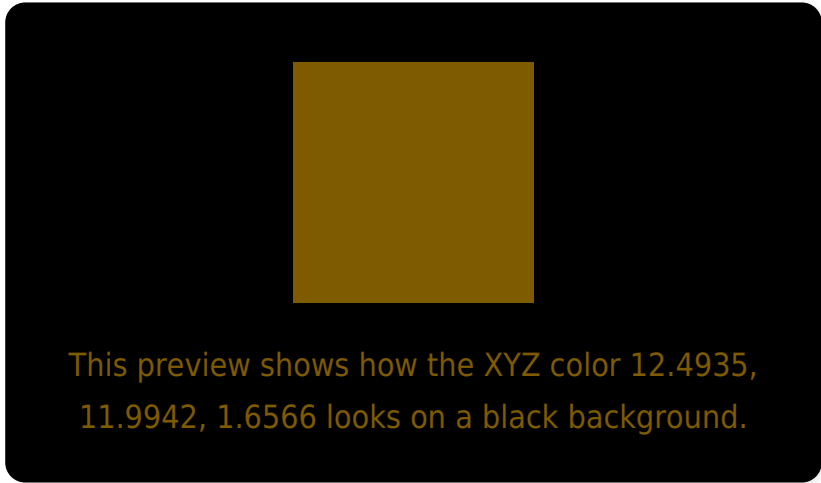
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4935, 11.9942, 1.6566

Background



This preview shows how black text looks on a background with the XYZ color 12.4935, 11.9942, 1.6566.



This preview shows how white text looks on a background with the XYZ color 12.4935, 11.9942,

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

12.4935, 11.9942, 1.6566

Protanopia

10.8419, 12.0679, 1.9876

Deuteranopia

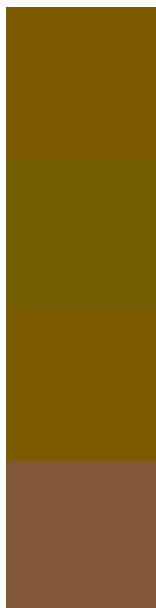
12.2265, 12.1138, 1.6938



Tritanopia

14.4969, 12.0776, 11.4647

Trichromacy



Original Color

12.4935, 11.9942, 1.6566

Protanomaly

11.3221, 11.9084, 1.8454

Deuteranomaly

12.2846, 12.0143, 1.6715

Tritanomaly

13.3778, 11.8677, 5.5886

Monochromacy



Original Color

12.4935, 11.9942, 1.6566

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.2137, 10.7307, 5.5359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4935, 11.9942, 1.6566 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, 91, 0)` looks like.

```
.text, #text, p{  
    color:rgb(127, 91, 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(127, 91, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 91, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.4935, 11.9942, 1.6566 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, 91, 0) }
```


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

```
.border{ border-color:rgb(127, 91, 0) }
```

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

Here you see how a box with a 4 pixel rgb(127, 91, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 91, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 91, 0);  
box-shadow:4px 4px 4px 4px rgb(127, 91, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.4935, 11.9942, 1.6566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 91, 0) }
```

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

```
.background{ background-color: rgb(127, 91,  
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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