

Converting Colors

XYZ(19.3163, 12.7768, 0.0000)

Have a look what the booklet for
XYZ(19.3163, 12.7768, 0.0000)
contains.

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Color

**XYZ(19.5695, 12.8946,
1.4575)**

Conversions

Conversions Part 1

Format	Color
Hex	AF4100
RGB	175, 65, 0
RGB Percent	69%, 25%, 0%
CMY	0.3137, 0.7451, 1.0000
CMYK	0.00, 0.63, 1.00, 0.31
HSL	22°, 100%, 34%
HSV	22°, 100%, 69%
XYZ	19.5695, 12.8946, 1.4575
YIQ	90.4800, 86.4250, 3.1050

Conversions

Conversions Part 2

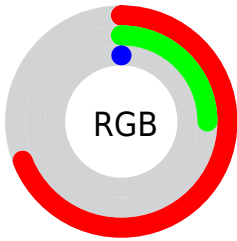
Format	Color
R_{YB}	175, 103, 0
Decimal	11485440
CIE _{Lab}	42.60, 42.64, 53.55
CIE _{LCh}	43, 68.457, 51.471
Yxy	12.8946, 0.5769, 0.3801
Android (android.graphics.Color)	4289675520 (0xFFAF4100)
YUV	90.4800, -44.6066, 74.1240
Hunter-Lab	35.9091, 34.4370, 22.7298

Details

The XYZ color **19.5695, 12.8946, 1.4575** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.3132, 14.2459, 42.6051**, and the grayscale version is **9.9108, 10.4269, 11.3549**.

A 20% lighter version of the original color is **42.3350, 31.1852, 7.5294**, and **7.0046, 3.7077, 0.3465** is the 20% darker color. If you saturate the color by 10%, you get **19.5696, 12.8951, 1.4576**, and if you desaturate by 10%, it is **20.3691, 14.3258, 2.2428**.

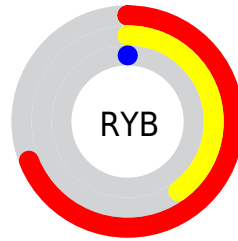
Distribution



Red (69%)

Green (25%)

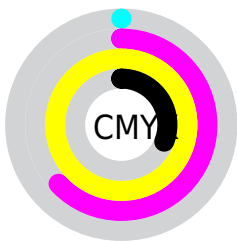
Blue (0%)



Red (69%)

Yellow (40%)

Blue (0%)

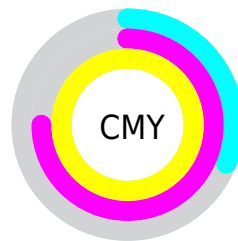


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (75%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 19.5695, 12.8946, 1.4575 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 19.5695, 12.8946, 1.4575 by changing the saturation by 10% instead.


 19.5695, 12.8946,
1.4575


 19.5695, 12.8946,
1.4575


 242.4532,
210.2411, 113.2854


 12.1889, 7.3560,
0.1860


 42.2037, 31.1143,
7.4962


 6.9456, 3.6857,
0.0000


 58.1881, 44.5642,
13.2910

 3.4741, 1.4994,
0.0000

 77.7711, 61.4200,
21.4943

 1.4092, 0.2883,
0.0000

 101.3181, 82.0660,
32.5244

 0.2627, 0.0000,
0.0000


 129.1944,
106.8868, 46.8001


 0.0000, 0.0000,
0.0000


 161.7655,


136.2666, 64.7398


 199.3966,
170.5899, 86.7620


 19.5695, 12.8946,
1.4575


 19.5695, 12.8946,
1.4575


 19.5696, 12.8951,
1.4576

 20.3691, 14.3258,
2.2428

 21.3912, 16.0527,
3.5614

 22.6785, 18.1028,
5.6074

 24.2538, 20.4945,
8.4724

 26.1370, 23.2443,
12.2340

■ 28.3458, 26.3675,
16.9608

■ 30.8966, 29.8785,
22.7148

■ 33.8045, 33.7907,
29.5526

■ 37.0836, 38.1170,
37.5265

Harmonies

Analogous

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



24.0639, 12.8946, 5.9708



19.5695, 12.8946, 1.4575



13.7939, 12.8946, 0.4024

Triad

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



19.5695, 12.8946, 1.4575



4.8069, 12.8946, 10.2189



16.2770, 12.8946, 60.8595

Complementary

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



19.5695, 12.8946, 1.4575



13.3132, 14.2459, 42.6051

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.



10.8368, 12.8946, 65.3938



19.5695, 12.8946, 1.4575



5.1251, 12.8946, 27.2902

Square

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



19.5695, 12.8946, 1.4575



5.9967, 12.8946, 2.7107



7.0379, 12.8946, 50.2873



21.8204, 12.8946, 40.3732

Rectangle

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



19.5695, 12.8946, 1.4575



10.3791, 12.8946, 0.4450



7.0379, 12.8946, 50.2873



14.3463, 12.8946, 64.6866

Sweetspot

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



19.5698, 12.8953, 1.4577



55.0820, 53.1671, 40.0986



20.5392, 10.2580, 15.8885



11.8092, 11.2238, 7.9241



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.5698, 12.8953, 1.4577



34.8567, 22.7106, 2.5464



28.8532, 31.4622, 4.5522



8.2398, 8.4845, 8.4168



14.0693, 9.3442, 1.0621



0.4447, 0.3666, 0.0473

Inverse Universe

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



13.3132, 14.2459, 42.6051



23.6277, 25.0823, 76.2329



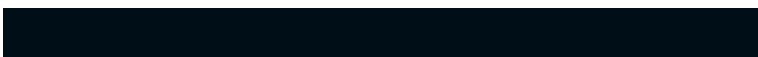
8.0509, 3.7214, 40.8510



7.9825, 8.5643, 10.1851



9.5943, 10.3225, 30.5313



0.3170, 0.3873, 0.8660

Previews

White Background



This preview shows how the XYZ color 19.5695, 12.8946, 1.4575 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 19.5695, 12.8946, 1.4575 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 19.5695, 12.8946, 1.4575

Background



This preview shows how black text looks on a background with the XYZ color 19.5695, 12.8946, 1.4575.



This preview shows how white text looks on a background with the XYZ color 19.5695, 12.8946,

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

19.5695, 12.8946, 1.4575

Protanopia

11.8000, 13.1238, 2.4835

Deuteranopia

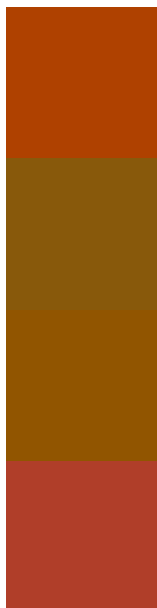
13.0850, 12.9549, 1.8109



Tritanopia

20.4987, 12.9378, 6.2673

Trichromacy



Original Color

19.5695, 12.8946, 1.4575

Protanomaly

13.7861, 12.4032, 1.9840

Deuteranomaly

14.9256, 12.5167, 1.6293

Tritanomaly

20.0274, 12.8355, 3.5198

Monochromacy



Original Color

19.5695, 12.8946, 1.4575

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.5661, 10.2452, 5.2388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5695, 12.8946, 1.4575 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(175, 65, 0)` looks like.

```
.text, #text, p{  
    color:rgb(175, 65, 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(175, 65, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 65, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.5695, 12.8946, 1.4575 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(175, 65, 0) }
```


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

```
.border{ border-color:rgb(175, 65, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 65, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 65, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 65, 0);  
box-shadow:4px 4px 4px 4px rgb(175, 65, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.5695, 12.8946, 1.4575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 65, 0) }
```

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

```
.background{ background-color: rgb(175, 65,  
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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