

Converting Colors

XYZ(19.5764, 12.1666, 1.5770)

Have a look what the booklet for
XYZ(19.5764, 12.1666, 1.5770)
contains.

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Color

**XYZ(19.5949, 12.1952,
1.5796)**

Conversions

Conversions Part 1

Format	Color
Hex	B13809
RGB	177, 56, 9
RGB Percent	69%, 22%, 4%
CMY	0.3059, 0.7804, 0.9647
CMYK	0.00, 0.68, 0.95, 0.31
HSL	17°, 90%, 36%
HSV	17°, 95%, 69%
XYZ	19.5949, 12.1952, 1.5796
YIQ	86.8210, 87.2030, 11.0350

Conversions

Conversions Part 2

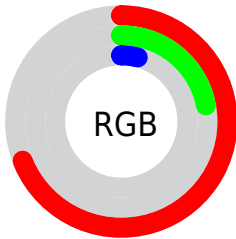
Format	Color
RYB	177, 74, 9
Decimal	11614217
CIELab	41.52, 47.42, 50.40
CIElCh	42, 69.205, 46.745
Yxy	12.1952, 0.5872, 0.3655
Android (android.graphics.Color)	4289804297 (0xFFB13809)
YUV	86.8210, -38.3658, 79.0870
Hunter-Lab	34.9216, 39.0454, 21.7633

Details

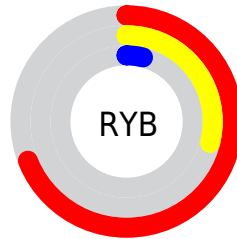
The XYZ color **19.5949, 12.1952, 1.5796** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **16.0301, 19.1957, 44.4547**, and the grayscale version is **9.0881, 9.5614, 10.4123**.

A 20% lighter version of the original color is **42.2194, 29.7888, 7.7996**, and **7.2025, 3.7130, 0.3371** is the 20% darker color. If you saturate the color by 10%, you get **19.2516, 11.5878, 1.2220**, and if you desaturate by 10%, it is **20.4388, 13.6511, 2.5766**.

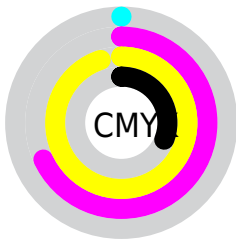
Distribution



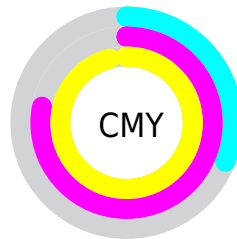
- Red (69%)
- Green (22%)
- Blue (4%)



- Red (69%)
- Yellow (29%)
- Blue (4%)



- Cyan (0%)
- Magenta (68%)
- Yellow (95%)
- Black (31%)





- Cyan (31%)
- Magenta (78%)
- Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 19.5949, 12.1952, 1.5796 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 19.5949, 12.1952, 1.5796 by changing the saturation by 10% instead.


 19.5949, 12.1952,
1.5796


 19.5949, 12.1952,
1.5796


 242.5891,
205.6933, 115.4636


 12.2075, 6.8768,
0.2762


 42.2461, 29.8501,
7.8559


 6.9583, 3.3851,
0.0000


 58.2406, 42.9554,
13.8165


 3.4822, 1.3360,
0.0000

 77.8348, 59.4251,
22.2169

 1.4136, 0.1688,
0.0000

 101.3941, 79.6436,
33.4755

 0.2659, 0.0000,
0.0000


 129.2838,
103.9952, 48.0110


 0.0000, 0.0000,
0.0000


 161.8693,


132.8645, 66.2418


 199.5160,
166.6357, 88.5865


 19.5949, 12.1952,
1.5796


 19.5949, 12.1952,
1.5796


 19.2516, 11.5878,
1.2220

 20.4388, 13.6511,
2.5766

 21.5735, 15.4919,
4.2759

 23.0286, 17.7460,
6.7837

 24.8294, 20.4383,
10.1875

 26.9983, 23.5913,
14.5630

■ 29.5557, 27.2260,
19.9781

■ 32.5203, 31.3621,
26.4943

■ 35.9097, 36.0180,
34.1684

■ 39.7402, 41.2113,
43.0534

Harmonies

Analogous

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



23.5904, 12.1952, 6.7723



19.5949, 12.1952, 1.5796



13.9620, 12.1952, 0.2960

Triad

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



19.5949, 12.1952, 1.5796



4.4783, 12.1952, 7.8705



14.6183, 12.1952, 61.6417

Complementary

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



19.5949, 12.1952, 1.5796



16.0301, 19.1957, 44.4547

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.



9.5052, 12.1952, 62.8689



19.5949, 12.1952, 1.5796



4.5599, 12.1952, 23.0046

Square

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



19.5949, 12.1952, 1.5796



5.8621, 12.1952, 1.8872



6.1314, 12.1952, 45.5528



20.1940, 12.1952, 42.8841

Rectangle

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



19.5949, 12.1952, 1.5796



10.4882, 12.1952, 0.2006



6.1314, 12.1952, 45.5528



12.7688, 12.1952, 64.4272

Sweetspot

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



19.5952, 12.1959, 1.5798



56.2652, 53.4237, 43.0582



22.4075, 11.2139, 22.8851



11.7128, 10.9061, 8.2770



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.



19.5952, 12.1959, 1.5798



34.3184, 20.4315, 2.1349



27.2404, 27.4863, 4.1282



8.6835, 8.8796, 8.9088



13.9939, 8.4863, 0.9005



0.4908, 0.3680, 0.0452

Inverse Universe

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



16.0301, 19.1957, 44.4547



27.7194, 32.6983, 79.3457



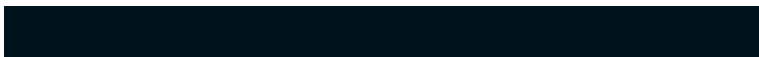
9.1136, 5.3628, 42.1493



8.5377, 9.2216, 10.8363



11.3462, 13.4928, 32.1434



0.4032, 0.5169, 1.0268

Previews

White Background



This preview shows how the XYZ color 19.5949, 12.1952, 1.5796 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 19.5949, 12.1952, 1.5796

Background



This preview shows how black text looks on a background with the XYZ color 19.5949, 12.1952, 1.5796.



This preview shows how white text looks on a background with the XYZ color 19.5949, 12.1952,

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

19.5949, 12.1952, 1.5796

Protanopia

11.1622, 12.3611, 2.5567

Deuteranopia

12.4602, 12.3654, 1.7300



Tritanopia

20.2777, 12.1968, 4.8999

Trichromacy



Original Color

19.5949, 12.1952, 1.5796

Protanomaly

13.1861, 11.3779, 2.0315

Deuteranomaly

14.3867, 11.6732, 1.5810

Tritanomaly

19.9831, 12.1511, 3.1259

Monochromacy



Original Color

19.5949, 12.1952, 1.5796

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

11.1196, 9.4777, 5.3810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5949, 12.1952, 1.5796 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(177, 56, 9)` looks like.

```
.text, #text, p{  
    color:rgb(177, 56, 9)  
}
```

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(177, 56, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 56, 9) }
```

Border

The CSS property to change the border of an element to XYZ 19.5949, 12.1952, 1.5796 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(177, 56, 9) }
```


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

```
.border{ border-color:rgb(177, 56, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 56, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 56, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 56, 9);  
box-shadow:4px 4px 4px 4px rgb(177, 56, 9)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.5949, 12.1952, 1.5796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 56, 9) }
```

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

```
.background{ background-color: rgb(177, 56,  
9) }
```

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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