

Converting Colors

XYZ(15.6797, 10.1582, 1.6716)

Have a look what the booklet for
XYZ(15.6797, 10.1582, 1.6716)
contains.

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Color

**XYZ(15.6159, 10.1379,
1.6641)**

Conversions

Conversions Part 1

Format	Color
Hex	9E3811
RGB	158, 56, 17
RGB Percent	62%, 22%, 7%
CMY	0.3804, 0.7804, 0.9333
CMYK	0.00, 0.65, 0.89, 0.38
HSL	17°, 81%, 34%
HSV	17°, 89%, 62%
XYZ	15.6159, 10.1379, 1.6641
YIQ	82.0520, 73.3110, 9.4950

Conversions

Conversions Part 2

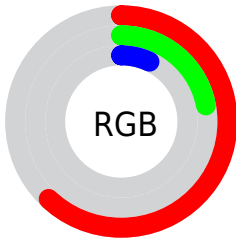
Format	Color
R_{YB}	158, 71, 17
Decimal	10369041
CIE Lab	38.09, 40.71, 43.62
CIE LCh	38, 59.668, 46.980
Yxy	10.1379, 0.5696, 0.3698
Android (android.graphics.Color)	4288559121 (0xFF9E3811)
YUV	82.0520, -32.0706, 66.6064
Hunter-Lab	31.8401, 31.8249, 19.1893

Details

The XYZ color **15.6159, 10.1379, 1.6641** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **12.9990, 15.7803, 34.7083**, and the grayscale version is **8.0830, 8.5040, 9.2608**.

A 20% lighter version of the original color is **35.4252, 25.9571, 8.1441**, and **5.1456, 2.6526, 0.2408** is the 20% darker color. If you saturate the color by 10%, you get **15.0294, 9.1163, 1.0020**, and if you desaturate by 10%, it is **16.4053, 11.4440, 2.7686**.

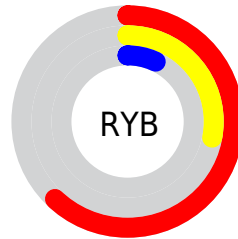
Distribution



Red (62%)

Green (22%)

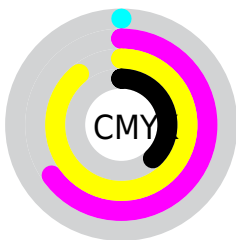
Blue (7%)



Red (62%)

Yellow (28%)

Blue (7%)

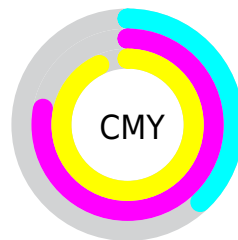


Cyan (0%)

Magenta (65%)

Yellow (89%)

Black (38%)



Cyan (38%)

Magenta (78%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6159, 10.1379, 1.6641 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 15.6159, 10.1379, 1.6641 by changing the saturation by 10% instead.

■ 15.6159, 10.1379,
1.6641

■ 15.6159, 10.1379,
1.6641

■ 220.3797,
191.6535, 116.9214

■ 9.3419, 5.4905,
0.3360

■ 35.4929, 26.0546,
8.1003

■ 5.0237, 2.5378,
0.0000

■ 49.8267, 38.0926,
14.1720

■ 2.2961, 0.8955,
0.0000

■ 67.5777, 53.3629,
22.7042

■ 0.7927, 0.0000,
0.0000


■ 89.1114, 72.2500,
34.1155


■ 0.0000, 0.0000,
0.0000


■ 114.7931, 95.1382,
48.8243


■ 144.9881,


122.4119, 67.2491


 180.0619,
154.4555, 89.8087


 15.6159, 10.1379,
1.6641


 15.6159, 10.1379,
1.6641


 15.0294, 9.1163,
1.0020


 16.4053, 11.4440,
2.7686

 14.9903, 9.0487,
0.9565

 17.4327, 13.0599,
4.4639

 18.7183, 15.0058,
6.8205

 20.2801, 17.2996,
9.8989

 22.1340, 19.9579,
13.7524

■ 24.2948, 22.9960,
18.4296

■ 26.7762, 26.4284,
23.9748

■ 29.5911, 30.2689,
30.4293

■ 32.7516, 34.5305,
37.8315

Harmonies

Analogous

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



18.5847, 10.1379, 5.9350



15.6159, 10.1379, 1.6641



11.4005, 10.1379, 0.5269

Triad

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



15.6159, 10.1379, 1.6641



4.0757, 10.1379, 6.9199



11.9618, 10.1379, 46.2325

Complementary

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



15.6159, 10.1379, 1.6641



12.9990, 15.7803, 34.7083

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.



8.0632, 10.1379, 47.2240



15.6159, 10.1379, 1.6641



4.1507, 10.1379, 18.4541

Square

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



15.6159, 10.1379, 1.6641



5.1758, 10.1379, 1.9749



5.4183, 10.1379, 34.9053



16.1199, 10.1379, 32.7225

Rectangle

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



15.6159, 10.1379, 1.6641



8.7644, 10.1379, 0.4506



5.4183, 10.1379, 34.9053



10.5630, 10.1379, 48.2531

Sweetspot

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



15.6161, 10.1385, 1.6643



44.8490, 42.7764, 35.0781



17.7154, 9.0358, 18.7073



9.8076, 9.2208, 7.2399



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



15.6161, 10.1385, 1.6643



27.0765, 16.1406, 1.6884



21.5479, 22.0021, 3.6415



6.7750, 6.9300, 6.9662



12.0352, 7.3061, 0.7759



0.2479, 0.1960, 0.0248

Inverse Universe

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



12.9990, 15.7803, 34.7083



22.0202, 26.1084, 62.6223



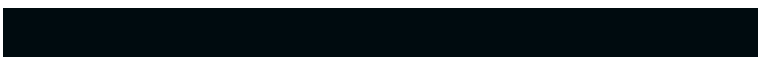
7.5391, 4.8606, 32.8883



6.6666, 7.1990, 8.4449



9.8226, 11.7368, 27.6550



0.2088, 0.2762, 0.5055

Previews

White Background



This preview shows how the XYZ color 15.6159, 10.1379, 1.6641 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

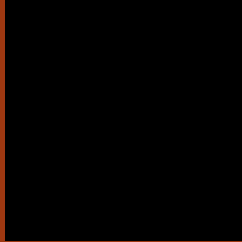
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.6159, 10.1379, 1.6641

Background



This preview shows how black text looks on a background with the XYZ color 15.6159, 10.1379, 1.6641.



This preview shows how white text looks on a background with the XYZ color 15.6159, 10.1379,

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

15.6159, 10.1379, 1.6641

Protanopia

9.4070, 10.3815, 2.4853

Deuteranopia

10.3980, 10.3004, 1.4401



Tritanopia

16.2157, 10.1027, 4.7098

Trichromacy



Original Color

15.6159, 10.1379, 1.6641

Protanomaly

10.9051, 9.6482, 2.0981

Deuteranomaly

11.9090, 9.8706, 1.4498

Tritanomaly

15.9714, 10.0772, 3.2011

Monochromacy



Original Color

15.6159, 10.1379, 1.6641

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

9.5767, 8.3856, 5.1168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6159, 10.1379, 1.6641 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(158, 56, 17)` looks like.

```
.text, #text, p{  
    color:rgb(158, 56, 17)  
}
```

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(158, 56, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 56, 17) }
```

Border

The CSS property to change the border of an element to XYZ 15.6159, 10.1379, 1.6641 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(158, 56, 17) }
```


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

```
.border{ border-color:rgb(158, 56, 17) }
```

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

Here you see how a box with a 4 pixel rgb(158, 56, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 56, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 56, 17);  
box-shadow:4px 4px 4px 4px rgb(158, 56,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6159, 10.1379, 1.6641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 56, 17) }
```

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

```
.background{ background-color: rgb(158, 56,  
17) }
```

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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