

Converting Colors

XYZ(19.6024, 11.4019, 1.9388)

Have a look what the booklet for
XYZ(19.6024, 11.4019, 1.9388)
contains.

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Color

**XYZ(19.6359, 11.4430,
1.9328)**

Conversions

Conversions Part 1

Format	Color
Hex	B32C16
RGB	179, 44, 22
RGB Percent	70%, 17%, 9%
CMY	0.2980, 0.8274, 0.9137
CMYK	0.00, 0.75, 0.88, 0.30
HSL	8°, 78%, 39%
HSV	8°, 88%, 70%
XYZ	19.6359, 11.4430, 1.9328
YIQ	81.8570, 87.5220, 21.7780

Conversions

Conversions Part 2

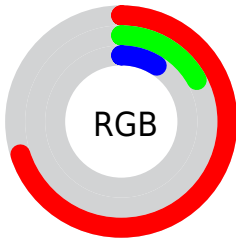
Format	Color
RYB	179, 48, 22
Decimal	11742230
CIELab	40.32, 52.83, 44.93
CIElCh	40, 69.353, 40.375
Yxy	11.4430, 0.5948, 0.3466
Android (android.graphics.Color)	4289932310 (0xFFB32C16)
YUV	81.8570, -29.5095, 85.1944
Hunter-Lab	33.8275, 44.4160, 20.2916

Details

The XYZ color **19.6359, 11.4430, 1.9328** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **20.5226, 27.5354, 46.8807**, and the grayscale version is **8.0372, 8.4558, 9.2083**.

A 20% lighter version of the original color is **42.2493, 28.4213, 8.8893**, and **7.3361, 3.7819, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **19.0428, 10.4528, 1.1317**, and if you desaturate by 10%, it is **20.5562, 12.9054, 3.4061**.

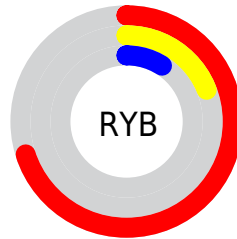
Distribution



Red (70%)

Green (17%)

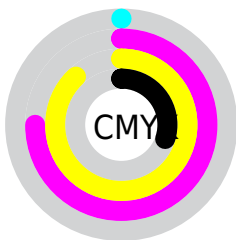
Blue (9%)



Red (70%)

Yellow (19%)

Blue (9%)

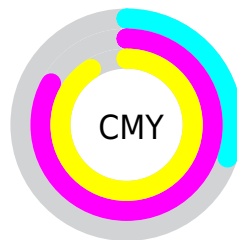


Cyan (0%)

Magenta (75%)

Yellow (88%)

Black (30%)



Cyan (30%)

Magenta (83%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6359, 11.4430, 1.9328 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 19.6359, 11.4430, 1.9328 by changing the saturation by 10% instead.

■ 19.6359, 11.4430,
1.9328

■ 19.6359, 11.4430,
1.9328

242.8085,
200.6821, 121.3244

■ 12.2374, 6.3656,
0.5135

■ 42.3145, 28.4765,
8.8563

■ 6.9789, 3.0687,
0.0000

■ 58.3253, 41.2014,
15.2641

■ 3.4951, 1.1677,
0.0000

■ 77.9376, 57.2443,
24.1940

■ 1.4207, 0.0351,
0.0000

■ 101.5167, 76.9895,
36.0646

■ 0.2709, 0.0000,
0.0000


■ 129.4280,
100.8215, 51.2944


■ 0.0000, 0.0000,
0.0000


■ 162.0368,


129.1247, 70.3020


 199.7085,
162.2834, 93.5058


 19.6359, 11.4430,
1.9328


 19.6359, 11.4430,
1.9328


 19.0428, 10.4528,
1.1317


 20.5562, 12.9054,
3.4061

 18.9399, 10.2829,
0.9866

 21.8508, 14.8910,
5.6989

 23.5559, 17.4443,
8.9084

 25.7028, 20.6047,
13.1182

 28.3199, 24.4081,
18.4022

■ 31.4333, 28.8872,
24.8275

■ 35.0669, 34.0730,
32.4557

■ 39.2433, 39.9941,
41.3439

■ 43.9834, 46.6778,
51.5456

Harmonies

Analogous

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



22.8643, 11.4430, 8.2435



19.6359, 11.4430, 1.9328



14.3172, 11.4430, 0.2928

Triad

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



19.6359, 11.4430, 1.9328



4.2466, 11.4430, 5.4717



12.6429, 11.4430, 61.4924

Complementary

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



19.6359, 11.4430, 1.9328



20.5226, 27.5354, 46.8807

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.



8.0361, 11.4430, 58.3183



19.6359, 11.4430, 1.9328



4.0421, 11.4430, 17.9124

Square

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



19.6359, 11.4430, 1.9328



5.8862, 11.4430, 1.1803



5.2080, 11.4430, 38.9899



18.1015, 11.4430, 45.8730

Rectangle

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



19.6359, 11.4430, 1.9328



10.8154, 11.4430, 0.0112



5.2080, 11.4430, 38.9899



10.9373, 11.4430, 62.7647

Sweetspot

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



19.6361, 11.4437, 1.9330



57.0709, 52.8452, 46.0796



25.0544, 12.6283, 33.4946



12.1899, 11.0570, 9.2639



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.6361, 11.4437, 1.9330



33.8259, 18.2261, 1.7352



25.6252, 23.4218, 3.9293



8.5893, 8.6911, 8.8774



13.4134, 7.3253, 0.7070



0.4521, 0.2907, 0.0323

Inverse Universe

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



20.5226, 27.5354, 46.8807



35.1154, 46.9146, 83.5858



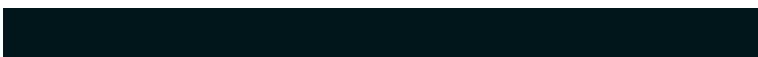
11.3045, 9.0992, 43.8080



8.6391, 9.4244, 10.8701



13.9402, 18.6807, 33.0080



0.4664, 0.6433, 1.0478

Previews

White Background



This preview shows how the XYZ color 19.6359, 11.4430, 1.9328 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

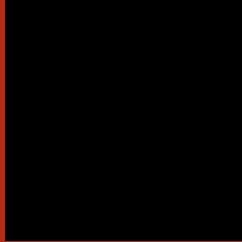
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.6359, 11.4430, 1.9328

Background



This preview shows how black text looks on a background with the XYZ color 19.6359, 11.4430, 1.9328.



This preview shows how white text looks on a background with the XYZ color 19.6359, 11.4430,

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

19.6359, 11.4430, 1.9328

Protanopia

10.5496, 11.6129, 3.2756

Deuteranopia

11.6262, 11.5471, 1.6160



Tritanopia

19.8544, 11.4141, 3.4422

Trichromacy



Original Color

19.6359, 11.4430, 1.9328

Protanomaly

12.5611, 10.3880, 2.5713

Deuteranomaly

13.6479, 10.6659, 1.5691

Tritanomaly

19.7577, 11.4328, 2.7555

Monochromacy



Original Color

19.6359, 11.4430, 1.9328

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

10.2189, 8.2424, 5.3273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6359, 11.4430, 1.9328 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(179, 44, 22)` looks like.

```
.text, #text, p{  
    color:rgb(179, 44, 22)  
}
```

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(179, 44, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 44, 22) }
```

Border

The CSS property to change the border of an element to XYZ 19.6359, 11.4430, 1.9328 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(179, 44, 22) }
```


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

```
.border{ border-color:rgb(179, 44, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 44, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 44, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 44, 22);  
box-shadow:4px 4px 4px 4px rgb(179, 44,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6359, 11.4430, 1.9328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 44, 22) }
```

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

```
.background{ background-color: rgb(179, 44,  
22) }
```

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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