

Converting Colors

XYZ(19.6310, 18.3369, 2.9173)

Have a look what the booklet for
XYZ(19.6310, 18.3369, 2.9173)
contains.

XYZ(19.7557, 18.4527, 2.9359)	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(19.7557, 18.4527,
2.9359)**

Conversions

Conversions Part 1

Format	Color
Hex	9E6E0E
RGB	158, 110, 14
RGB Percent	62%, 43%, 5%
CMY	0.3804, 0.5686, 0.9451
CMYK	0.00, 0.30, 0.91, 0.38
HSL	40°, 84%, 34%
HSV	40°, 91%, 62%
XYZ	19.7557, 18.4527, 2.9359
YIQ	113.4080, 59.4240, -19.6800

Conversions

Conversions Part 2

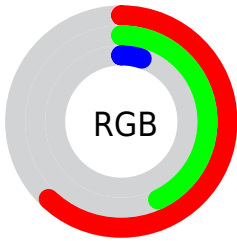
Format	Color
R_{YB}	86, 158, 14
Decimal	10382862
CIE _{Lab}	50.04, 11.52, 53.89
CIE _{LCh}	50, 55.108, 77.932
Yxy	18.4527, 0.4802, 0.4485
Android (android.graphics.Color)	4288572942 (0xFF9E6E0E)
YUV	113.4080, -49.0081, 39.1072
Hunter-Lab	42.9566, 6.9179, 26.0174

Details

The XYZ color **19.7557, 18.4527, 2.9359** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.0752, 6.0070, 33.0812**, and the grayscale version is **15.9470, 16.7775, 18.2707**.

A 20% lighter version of the original color is **42.4656, 40.6836, 11.4089**, and **7.2570, 6.3798, 0.8489** is the 20% darker color. If you saturate the color by 10%, you get **19.1864, 17.4410, 2.3552**, and if you desaturate by 10%, it is **20.4939, 19.6851, 3.9347**.

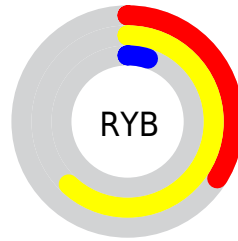
Distribution



Red (62%)

Green (43%)

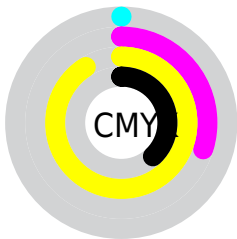
Blue (5%)



Red (34%)

Yellow (62%)

Blue (5%)

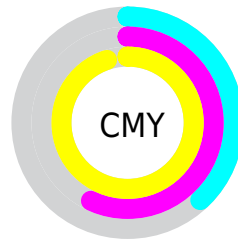


Cyan (0%)

Magenta (30%)

Yellow (91%)

Black (38%)



Cyan (38%)

Magenta (57%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7557, 18.4527, 2.9359 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 19.7557, 18.4527, 2.9359 by changing the saturation by 10% instead.

■ 19.7557, 18.4527,
2.9359

■ 19.7557, 18.4527,
2.9359

243.4483,
243.4105, 135.5400

■ 12.3248, 11.2755,
1.0620

■ 42.5143, 40.8072,
11.4699

■ 7.0391, 6.2524,
0.0000

■ 58.5727, 56.7533,
18.9670

■ 3.5331, 2.9992,
0.0000

■ 78.2377, 76.3912,
29.1756

■ 1.4415, 1.1313,
0.0000

■ 101.8746,
100.1051, 42.5143


■ 0.2855, 0.0045,
0.0000


■ 129.8487,
128.2797, 59.4015


■ 0.0000, 0.0000,
0.0000


■ 162.5255,


161.2991, 80.2558


 200.2703,
199.5479, 105.4958


 19.7557, 18.4527,
2.9359


 19.7557, 18.4527,
2.9359

 19.1864, 17.4410,
2.3552

 20.4939, 19.6851,
3.9347

 21.3670, 21.0257,
5.4762

 22.3893, 22.4818,
7.6315

 23.5728, 24.0590,
10.4603

 24.9278, 25.7624,
14.0155

■ 26.4640, 27.5966,
18.3444

■ 28.1899, 29.5660,
23.4904

■ 30.1138, 31.6744,
29.4937

■ 32.2432, 33.9258,
36.3916

Harmonies

Analogous

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



25.2871, 18.4527, 5.2846



19.7557, 18.4527, 2.9359



14.5857, 18.4527, 3.1555

Triad

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



19.7557, 18.4527, 2.9359



9.5229, 18.4527, 30.4787



26.2392, 18.4527, 46.6609

Complementary

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



19.7557, 18.4527, 2.9359



8.0752, 6.0070, 33.0812

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.



20.8656, 18.4527, 62.5892



19.7557, 18.4527, 2.9359



11.5609, 18.4527, 50.4606

Square

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



19.7557, 18.4527, 2.9359



9.3445, 18.4527, 14.5891



15.4942, 18.4527, 64.2514



29.5045, 18.4527, 26.8288

Rectangle

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



19.7557, 18.4527, 2.9359



11.9927, 18.4527, 4.7483



15.4942, 18.4527, 64.2514



24.5752, 18.4527, 53.0024

Sweetspot

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



19.7561, 18.4536, 2.9362



49.1499, 51.3782, 36.5117



15.1270, 7.9310, 5.2913



10.8628, 11.3311, 7.5917



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.



19.7561, 18.4536, 2.9362



34.6529, 31.2934, 4.2138



22.1375, 29.5534, 4.9532



6.9837, 7.3475, 7.0358



15.4037, 14.0431, 1.8987



0.3126, 0.3255, 0.0464

Inverse Universe

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



8.0752, 6.0070, 33.0812



13.3261, 8.7201, 59.7242



7.1280, 3.1949, 32.5883



6.4564, 6.7785, 8.3748



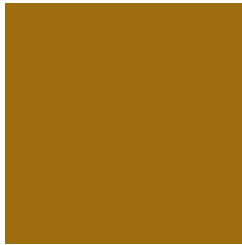
5.9833, 4.0581, 26.3752



0.1437, 0.1461, 0.4838

Previews

White Background



This preview shows how the XYZ color 19.7557, 18.4527, 2.9359 looks on a white 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

Black Background



This preview shows how the XYZ color 19.7557, 18.4527, 2.9359 looks on a black 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

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

XYZ 19.7557, 18.4527, 2.9359

Background



This preview shows how black text looks on a background with the XYZ color 19.7557, 18.4527, 2.9359.



This preview shows how white text looks on a background with the XYZ color 19.7557, 18.4527,

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

19.7557, 18.4527, 2.9359

Protanopia

16.8093, 18.6243, 3.2392

Deuteranopia

18.7224, 18.4115, 2.8542



Tritanopia

22.6701, 18.4151, 17.1115

Trichromacy



Original Color

19.7557, 18.4527, 2.9359

Protanomaly

17.6666, 18.3678, 3.1044

Deuteranomaly

19.1810, 18.4825, 2.8731

Tritanomaly

21.0195, 18.1882, 9.0594

Monochromacy



Original Color

19.7557, 18.4527, 2.9359

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.1870, 16.7913, 9.4091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7557, 18.4527, 2.9359 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, 110, 14)` looks like.

```
.text, #text, p{  
    color:rgb(158, 110, 14)  
}
```

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, 110, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 110, 14) }
```

Border

The CSS property to change the border of an element to XYZ 19.7557, 18.4527, 2.9359 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, 110, 14) }
```


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

```
.border{ border-color:rgb(158, 110, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 110, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 110, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 110, 14);  
box-shadow:4px 4px 4px 4px rgb(158, 110,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7557, 18.4527, 2.9359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 110, 14) }
```

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

```
.background{ background-color: rgb(158,  
110, 14) }
```

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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