

Converting Colors

XYZ(19.0510, 13.4810, 1.6276)

Have a look what the booklet for
XYZ(19.0510, 13.4810, 1.6276)
contains.

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Color

**XYZ(19.0318, 13.4458,
1.6209)**

Conversions

Conversions Part 1

Format	Color
Hex	AA4A01
RGB	170, 74, 1
RGB Percent	67%, 29%, 0%
CMY	0.3333, 0.7098, 0.9961
CMYK	0.00, 0.56, 0.99, 0.33
HSL	26°, 99%, 34%
HSV	26°, 99%, 67%
XYZ	19.0318, 13.4458, 1.6209
YIQ	94.3820, 80.6490, -2.3510

Conversions

Conversions Part 2

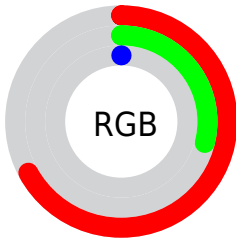
Format	Color
RYB	170, 130, 1
Decimal	11160065
CIELab	43.43, 36.36, 53.26
CIELCh	43, 64.491, 55.677
Yxy	13.4458, 0.5581, 0.3943
Android (android.graphics.Color)	4289350145 (0xFFAA4A01)
YUV	94.3820, -46.0373, 66.3170
Hunter-Lab	36.6685, 28.4757, 23.0471

Details

The XYZ color **19.0318, 13.4458, 1.6209** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.5424, 11.4572, 39.6330**, and the grayscale version is **10.8230, 11.3866, 12.4000**.

A 20% lighter version of the original color is **41.3760, 32.1285, 8.0237**, and **6.7570, 3.9683, 0.4098** is the 20% darker color. If you saturate the color by 10%, you get **18.9888, 13.3687, 1.5796**, and if you desaturate by 10%, it is **19.8308, 14.8780, 2.3989**.

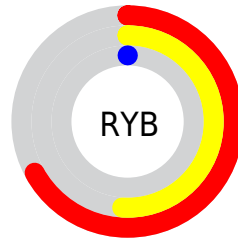
Distribution



Red (67%)

Green (29%)

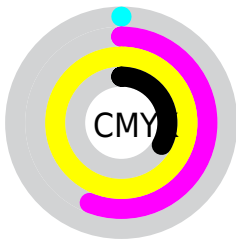
Blue (0%)



Red (67%)

Yellow (51%)

Blue (0%)

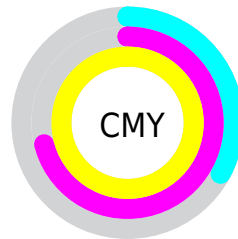


Cyan (0%)

Magenta (56%)

Yellow (99%)

Black (33%)



Cyan (33%)


Magenta (71%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 19.0318, 13.4458, 1.6209 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 19.0318, 13.4458, 1.6209 by changing the saturation by 10% instead.


 19.0318, 13.4458,
1.6209


 19.0318, 13.4458,
1.6209


 239.5590,
213.7553, 116.1809


 11.7974, 7.7362,
0.3057


 41.3043, 32.1024,
7.9758


 6.6771, 3.9266,
0.0000


 57.0731, 45.8182,
13.9911


 3.3055, 1.6326,
0.0000

 76.4174, 62.9716,
22.4563

 1.3173, 0.3794,
0.0000

 99.7026, 83.9469,
33.7901

 0.1961, 0.0000,
0.0000


 127.2939,
109.1285, 48.4109


 0.0000, 0.0000,
0.0000


 159.5569,


138.9009, 66.7372


 196.8568,
173.6483, 89.1877


 19.0318, 13.4458,
1.6209


 19.0318, 13.4458,
1.6209


 18.9888, 13.3687,
1.5796

 19.8308, 14.8780,
2.3989

 20.8232, 16.5521,
3.6876

 22.0450, 18.4894,
5.6560

 23.5157, 20.7038,
8.3873

 25.2521, 23.2076,
11.9531

■ 27.2693, 26.0125,
16.4161

■ 29.5812, 29.1292,
21.8332

■ 32.2007, 32.5679,
28.2566

■ 35.1398, 36.3382,
35.7344

Harmonies

Analogous

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



23.6026, 13.4458, 5.6317



19.0318, 13.4458, 1.6209



13.5213, 13.4458, 0.7388

Triad

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



19.0318, 13.4458, 1.6209



5.3688, 13.4458, 12.6536



17.4352, 13.4458, 56.3606

Complementary

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



19.0318, 13.4458, 1.6209



11.5424, 11.4572, 39.6330

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.



12.0659, 13.4458, 63.1269



19.0318, 13.4458, 1.6209



5.9050, 13.4458, 30.1822

Square

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



19.0318, 13.4458, 1.6209



6.3507, 13.4458, 3.9302



8.0732, 13.4458, 51.3954



22.5242, 13.4458, 36.4144

Rectangle

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



19.0318, 13.4458, 1.6209



10.3450, 13.4458, 0.8937



8.0732, 13.4458, 51.3954



15.5696, 13.4458, 60.6442

Sweetspot

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



19.0321, 13.4466, 1.6211



53.1695, 52.1824, 38.4103



18.8684, 9.4798, 12.7865



11.4648, 11.1108, 7.6384



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.0321, 13.4466, 1.6211



34.2462, 23.8417, 2.7969



28.4573, 32.2970, 4.7629



7.7877, 8.0554, 7.9337



14.0219, 9.9410, 1.1798



0.3923, 0.3443, 0.0458

Inverse Universe

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



11.5424, 11.4572, 39.6330



20.6274, 20.1912, 71.8120



7.4402, 3.2528, 38.2655



7.4721, 7.9811, 9.5650



8.5084, 8.4771, 29.1633



0.2564, 0.3050, 0.7260

Previews

White Background



This preview shows how the XYZ color 19.0318, 13.4458, 1.6209 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 19.0318, 13.4458, 1.6209 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 19.0318, 13.4458, 1.6209

Background



This preview shows how black text looks on a background with the XYZ color 19.0318, 13.4458, 1.6209.



This preview shows how white text looks on a background with the XYZ color 19.0318, 13.4458,

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

19.0318, 13.4458, 1.6209

Protanopia

12.3800, 13.7199, 2.4859

Deuteranopia

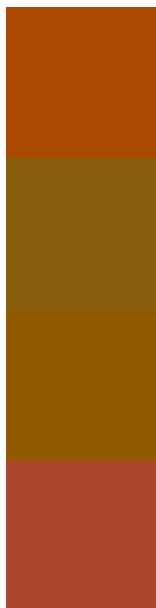
13.7278, 13.5607, 1.8939



Tritanopia

20.3440, 13.5079, 7.8384

Trichromacy



Original Color

19.0318, 13.4458, 1.6209

Protanomaly

14.1281, 13.0871, 2.0980

Deuteranomaly

15.2494, 13.1645, 1.7373

Tritanomaly

19.5609, 13.3696, 4.2389

Monochromacy



Original Color

19.0318, 13.4458, 1.6209

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.2498, 11.2802, 5.8066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0318, 13.4458, 1.6209 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(170, 74, 1)` looks like.

```
.text, #text, p{  
    color:rgb(170, 74, 1)  
}
```

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(170, 74, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 74, 1) }
```

Border

The CSS property to change the border of an element to XYZ 19.0318, 13.4458, 1.6209 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(170, 74, 1) }
```


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

```
.border{ border-color:rgb(170, 74, 1) }
```

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

Here you see how a box with a 4 pixel rgb(170, 74, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 74, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 74, 1);  
box-shadow:4px 4px 4px 4px rgb(170, 74, 1)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.0318, 13.4458, 1.6209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 74, 1) }
```

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

```
.background{ background-color: rgb(170, 74,  
1) }
```

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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