

Converting Colors

XYZ(18.2895, 12.2744, 0.0000)

Have a look what the booklet for
XYZ(18.2895, 12.2744, 0.0000)
contains.

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Color

**XYZ(18.4679, 12.3266,
1.4059)**

Conversions

Conversions Part 1

Format	Color
Hex	AA4100
RGB	170, 65, 0
RGB Percent	67%, 25%, 0%
CMY	0.3333, 0.7451, 1.0000
CMYK	0.00, 0.62, 1.00, 0.33
HSL	23°, 100%, 33%
HSV	23°, 100%, 67%
XYZ	18.4679, 12.3266, 1.4059
YIQ	88.9850, 83.4450, 2.0450

Conversions

Conversions Part 2

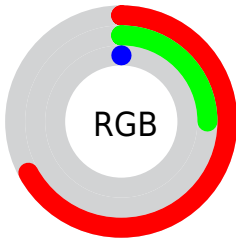
Format	Color
RYB	170, 105, 0
Decimal	11157760
CIELab	41.73, 40.76, 52.62
CIELCh	42, 66.556, 52.236
Yxy	12.3266, 0.5735, 0.3828
Android (android.graphics.Color)	4289347840 (0xFFAA4100)
YUV	88.9850, -43.8696, 71.0502
Hunter-Lab	35.1093, 32.4520, 22.2023

Details

The XYZ color **18.4679, 12.3266, 1.4059** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **12.3069, 13.0046, 39.8916**, and the grayscale version is **9.5738, 10.0724, 10.9688**.

A 20% lighter version of the original color is **40.3296, 30.1542, 7.3092**, and **6.5172, 3.4887, 0.3299** is the 20% darker color. If you saturate the color by 10%, you get **18.4681, 12.3271, 1.4060**, and if you desaturate by 10%, it is **19.2292, 13.6875, 2.1589**.

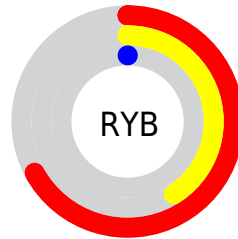
Distribution



Red (67%)

Green (25%)

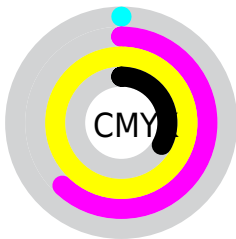
Blue (0%)



Red (67%)

Yellow (41%)

Blue (0%)

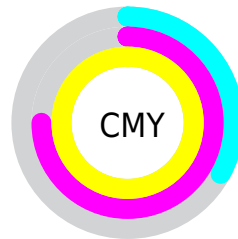


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (75%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4679, 12.3266, 1.4059 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 18.4679, 12.3266, 1.4059 by changing the saturation by 10% instead.


 18.4679, 12.3266,
1.4059


 18.4679, 12.3266,
1.4059


 236.4902,
206.5556, 112.3369


 11.3882, 6.9665,
0.1463


 40.3569, 30.0886,
7.3416


 6.3978, 3.4412,
0.0000


 55.8968, 43.2592,
13.0644

 3.1314, 1.3662,
0.0000

 74.9875, 59.8022,
21.1817

 1.2236, 0.1916,
0.0000

 97.9944, 80.1019,
32.1123

 0.1249, 0.0000,
0.0000

 125.2827,
104.5427, 46.2745

 0.0000, 0.0000,
0.0000

 157.2179,

133.5090, 64.0870

■ 194.1653,
167.3852, 85.9683

■ 18.4679, 12.3266,
1.4059

■ 18.4679, 12.3266,
1.4059

■ 18.4681, 12.3271,
1.4060

■ 19.2292, 13.6875,
2.1589

■ 20.1945, 15.3179,
3.4058

■ 21.4042, 17.2432,
5.3324

■ 22.8791, 19.4796,
8.0233

■ 24.6374, 22.0422,
11.5508

■ 26.6955, 24.9445,
15.9787

■ 29.0682, 28.1995,
21.3644

■ 31.7694, 31.8192,
27.7607

■ 34.8120, 35.8152,
35.2161

Harmonies

Analogous

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



22.7501, 12.3266, 5.5937



18.4679, 12.3266, 1.4059



13.0326, 12.3266, 0.4197

Triad

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



18.4679, 12.3266, 1.4059



4.6518, 12.3266, 10.1029



15.6458, 12.3266, 56.9505

Complementary

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



18.4679, 12.3266, 1.4059



12.3069, 13.0046, 39.8916

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.



10.4913, 12.3266, 61.6762



18.4679, 12.3266, 1.4059



4.9908, 12.3266, 26.4055

Square

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



18.4679, 12.3266, 1.4059



5.7449, 12.3266, 2.7635



6.8503, 12.3266, 47.9392



20.8300, 12.3266, 37.5838

Rectangle

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



18.4679, 12.3266, 1.4059



9.8345, 12.3266, 0.4828



6.8503, 12.3266, 47.9392



13.8235, 12.3266, 60.6735

Sweetspot

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



18.4682, 12.3273, 1.4061



52.4914, 50.8263, 38.1843



19.2666, 9.6217, 14.9364



11.2997, 10.7807, 7.5834



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.



18.4682, 12.3273, 1.4061



33.3135, 21.9764, 2.4860



27.0632, 29.5173, 4.2711



7.7575, 7.9950, 7.9236



13.6358, 9.1689, 1.0511



0.3814, 0.3223, 0.0421

Inverse Universe

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



12.3069, 13.0046, 39.8916



22.1131, 23.1626, 72.3072



7.5556, 3.5020, 38.3078



7.5030, 8.0429, 9.5753



9.1081, 9.6764, 29.3632



0.2687, 0.3297, 0.7301

Previews

White Background



This preview shows how the XYZ color 18.4679, 12.3266, 1.4059 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 18.4679, 12.3266, 1.4059 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 18.4679, 12.3266, 1.4059

Background



This preview shows how black text looks on a background with the XYZ color 18.4679, 12.3266, 1.4059.



This preview shows how white text looks on a background with the XYZ color 18.4679, 12.3266,

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

18.4679, 12.3266, 1.4059

Protanopia

11.3404, 12.5996, 2.3646

Deuteranopia

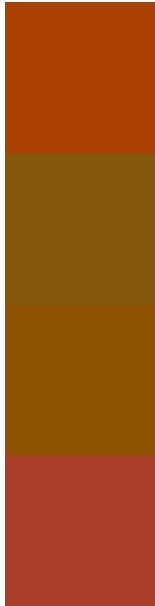
12.4602, 12.3654, 1.7300



Tritanopia

19.3887, 12.3656, 6.2154

Trichromacy



Original Color

18.4679, 12.3266, 1.4059

Protanomaly

13.1415, 11.8271, 1.9068

Deuteranomaly

14.0778, 11.8492, 1.5452

Tritanomaly

18.9174, 12.2633, 3.4678

Monochromacy



Original Color

18.4679, 12.3266, 1.4059

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

11.0784, 9.8843, 5.1949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4679, 12.3266, 1.4059 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, 65, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 65, 0)  
}
```

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, 65, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 65, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.4679, 12.3266, 1.4059 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, 65, 0) }
```


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

```
.border{ border-color:rgb(170, 65, 0) }
```

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

Here you see how a box with a 4 pixel rgb(170, 65, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 65, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 65, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 65, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.4679, 12.3266, 1.4059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 65, 0) }
```

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

```
.background{ background-color: rgb(170, 65,  
0) }
```

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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