

Converting Colors

XYZ(19.5405, 12.3791, 1.3595)

Have a look what the booklet for
XYZ(19.5405, 12.3791, 1.3595)
contains.

XYZ(19.4685, 12.3580, 1.3592)	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(19.4685, 12.3580,
1.3592)**

Conversions

Conversions Part 1

Format	Color
Hex	B03B00
RGB	176, 59, 0
RGB Percent	69%, 23%, 0%
CMY	0.3098, 0.7686, 1.0000
CMYK	0.00, 0.66, 1.00, 0.31
HSL	20°, 100%, 35%
HSV	20°, 100%, 69%
XYZ	19.4685, 12.3580, 1.3592
YIQ	87.2570, 88.6710, 6.4550

Conversions

Conversions Part 2

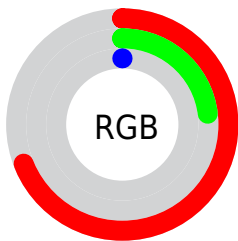
Format	Color
R_{YB}	176, 89, 0
Decimal	11549440
CIE _{Lab}	41.78, 45.69, 53.22
CIE _{LCh}	42, 70.144, 49.358
Yxy	12.3580, 0.5867, 0.3724
Android (android.graphics.Color)	4289739520 (0xFFB03B00)
YUV	87.2570, -43.0177, 77.8276
Hunter-Lab	35.1539, 37.3351, 22.3154

Details

The XYZ color **19.4685, 12.3580, 1.3592** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.1970, 15.8558, 43.3863**, and the grayscale version is **9.1917, 9.6704, 10.5311**.

A 20% lighter version of the original color is **42.0804, 30.2149, 7.2286**, and **7.0702, 3.6448, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **19.4687, 12.3586, 1.3593**, and if you desaturate by 10%, it is **20.2450, 13.7417, 2.1407**.

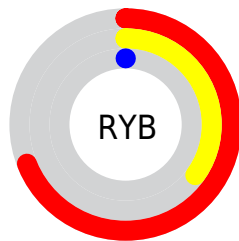
Distribution



Red (69%)

Green (23%)

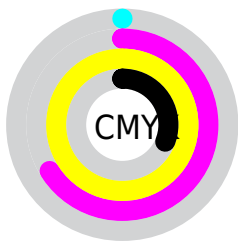
Blue (0%)



Red (69%)

Yellow (35%)

Blue (0%)

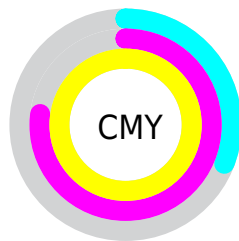


Cyan (0%)

Magenta (66%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (77%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 19.4685, 12.3580, 1.3592 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 19.4685, 12.3580, 1.3592 by changing the saturation by 10% instead.


 19.4685, 12.3580,
1.3592


 19.4685, 12.3580,
1.3592


 241.9119,
206.7611, 111.4631


 12.1153, 6.9880,
0.1096


 42.0350, 30.1455,
7.2004


 6.8950, 3.4546,
0.0000


 57.9791, 43.3317,
12.8567

 3.4423, 1.3734,
0.0000

 77.5175, 59.8922,
20.8950

 1.3917, 0.1970,
0.0000

 101.0156, 80.2112,
31.7336


 0.2503, 0.0000,
0.0000


 128.8387,
104.6732, 45.7912


 0.0000, 0.0000,
0.0000


 161.3522,


133.6626, 63.4863


 198.9215,
167.5638, 85.2374


 19.4685, 12.3580,
1.3592


 19.4685, 12.3580,
1.3592


 19.4687, 12.3586,
1.3593

 20.2450, 13.7417,
2.1407

 21.2588, 15.4486,
3.4672

 22.5545, 17.5094,
5.5351

 24.1565, 19.9452,
8.4376

 26.0861, 22.7750,
12.2539

■ 28.3623, 26.0165,
17.0540

■ 31.0027, 29.6862,
22.9009

■ 34.0235, 33.7996,
29.8525

■ 37.4400, 38.3714,
37.9621

Harmonies

Analogous

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



23.8180, 12.3580, 6.0622



19.4685, 12.3580, 1.3592



13.6757, 12.3580, 0.2164

Triad

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



19.4685, 12.3580, 1.3592



4.4428, 12.3580, 8.8596



15.3523, 12.3580, 62.0317

Complementary

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



19.4685, 12.3580, 1.3592



14.1970, 15.8558, 43.3863

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.



10.0068, 12.3580, 65.1802



19.4685, 12.3580, 1.3592



4.6501, 12.3580, 25.2471

Square

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



19.4685, 12.3580, 1.3592



5.7099, 12.3580, 2.1351



6.3950, 12.3580, 48.5984



21.0007, 12.3580, 41.7572

Rectangle

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



19.4685, 12.3580, 1.3592



10.2049, 12.3580, 0.1974



6.3950, 12.3580, 48.5984



13.4347, 12.3580, 65.4974

Sweetspot

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



19.4688, 12.3587, 1.3594



55.9601, 53.4714, 40.9282



21.1350, 10.5223, 17.8497



11.6863, 10.9782, 7.8832



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.4688, 12.3587, 1.3594



35.1228, 22.0401, 2.4030



28.2864, 29.9940, 4.2986



8.7215, 8.9554, 8.9214



14.3336, 9.1658, 1.0137



0.5061, 0.3987, 0.0503

Inverse Universe

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



14.1970, 15.8558, 43.3863



25.5317, 28.3229, 78.6165



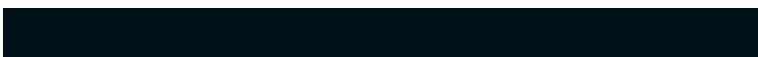
8.2841, 4.0298, 41.4154



8.4979, 9.1419, 10.8230



10.4722, 11.7447, 31.8520



0.3806, 0.4717, 1.0192

Previews

White Background



This preview shows how the XYZ color 19.4685, 12.3580, 1.3592 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 19.4685, 12.3580, 1.3592 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 19.4685, 12.3580, 1.3592

Background



This preview shows how black text looks on a background with the XYZ color 19.4685, 12.3580, 1.3592.



This preview shows how white text looks on a background with the XYZ color 19.4685, 12.3580,

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

19.4685, 12.3580, 1.3592

Protanopia

11.3568, 12.6061, 2.4507

Deuteranopia

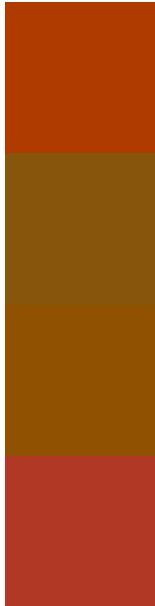
12.6964, 12.6200, 1.7667



Tritanopia

20.2614, 12.3850, 5.3256

Trichromacy



Original Color

19.4685, 12.3580, 1.3592

Protanomaly

13.3065, 11.6744, 1.8999

Deuteranomaly

14.5189, 11.9639, 1.5440

Tritanomaly

19.8796, 12.3090, 3.0784

Monochromacy



Original Color

19.4685, 12.3580, 1.3592

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

10.9512, 9.5055, 4.8720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4685, 12.3580, 1.3592 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(176, 59, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 59, 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(176, 59, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 59, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.4685, 12.3580, 1.3592 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(176, 59, 0) }
```


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

```
.border{ border-color:rgb(176, 59, 0) }
```

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

Here you see how a box with a 4 pixel rgb(176, 59, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 59, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 59, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 59, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.4685, 12.3580, 1.3592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 59, 0) }
```

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

```
.background{ background-color: rgb(176, 59,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor