

Converting Colors

XYZ(19.5182, 14.5839, 3.0132)

Have a look what the booklet for
XYZ(19.5182, 14.5839, 3.0132)
contains.

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Color

**XYZ(19.4760, 14.6051,
3.0209)**

Conversions

Conversions Part 1

Format	Color
Hex	A8531E
RGB	168, 83, 30
RGB Percent	66%, 33%, 12%
CMY	0.3412, 0.6745, 0.8823
CMYK	0.00, 0.51, 0.82, 0.34
HSL	23°, 70%, 39%
HSV	23°, 82%, 66%
XYZ	19.4760, 14.6051, 3.0209
YIQ	102.3730, 67.6730, 1.5370

Conversions

Conversions Part 2

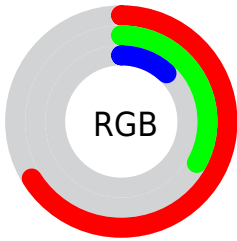
Format	Color
R_{YB}	168, 116, 30
Decimal	11031326
CIE _{Lab}	45.09, 31.46, 44.78
CIE _{LCh}	45, 54.727, 54.907
Yxy	14.6051, 0.5249, 0.3936
Android (android.graphics.Color)	4289221406 (0xFFA8531E)
YUV	102.3730, -35.6799, 57.5549
Hunter-Lab	38.2166, 24.0883, 22.0650

Details

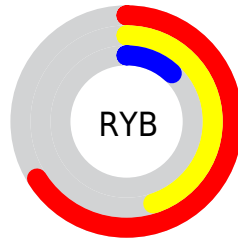
The XYZ color **19.4760, 14.6051, 3.0209** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **13.7335, 15.3636, 39.2869**, and the grayscale version is **12.8058, 13.4727, 14.6717**.

A 20% lighter version of the original color is **41.9313, 34.1087, 11.7708**, and **7.0314, 4.5171, 0.5013** is the 20% darker color. If you saturate the color by 10%, you get **18.5824, 13.0747, 1.9319**, and if you desaturate by 10%, it is **20.6028, 16.4192, 4.7518**.

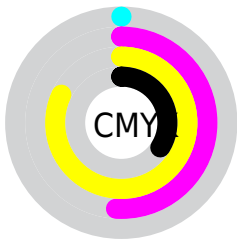
Distribution



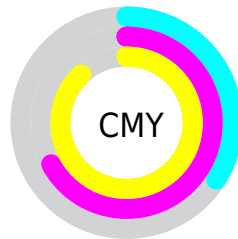
- Red (66%)
- Green (33%)
- Blue (12%)



- Red (66%)
- Yellow (45%)
- Blue (12%)



- Cyan (0%)
- Magenta (51%)
- Yellow (82%)
- Black (34%)





- Cyan (34%)
- Magenta (67%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4760, 14.6051, 3.0209 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 19.4760, 14.6051, 3.0209 by changing the saturation by 10% instead.


 19.4760, 14.6051,
3.0209


 19.4760, 14.6051,
3.0209


241.9521,
220.9634, 136.6264


 12.1208, 8.5427,
1.1053


 42.0476, 34.1589,
11.6800


 6.8988, 4.4441,
0.0000


 57.9946, 48.4191,
19.2605

 3.4446, 1.9250,
0.0000

 77.5363, 66.1807,
29.5665

 1.3930, 0.5633,
0.0000

 101.0381, 87.8281,
43.0164

 0.2512, 0.0000,
0.0000

 128.8651,
113.7456, 60.0288

 0.0000, 0.0000,
0.0000

 161.3829,

144.3178, 81.0223

198.9568,
179.9289, 106.4153

19.4760, 14.6051,
3.0209

19.4760, 14.6051,
3.0209

18.5824, 13.0747,
1.9319

20.6028, 16.4192,
4.7518

18.0115, 12.0513,
1.3768

21.9826, 18.5308,
7.2095

23.6338, 20.9552,
10.4666

25.5725, 23.7060,
14.5866

27.8136, 26.7956,
19.6263

■ 30.3705, 30.2360,
25.6378

■ 33.2561, 34.0384,
32.6692

■ 36.4823, 38.2133,
40.7654

■ 40.0603, 42.7710,
49.9687

Harmonies

Analogous

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



23.3050, 14.6051, 7.5806



19.4760, 14.6051, 3.0209



14.6643, 14.6051, 1.7858

Triad

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



19.4760, 14.6051, 3.0209



6.9220, 14.6051, 13.8020



17.8554, 14.6051, 50.6456

Complementary

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



19.4760, 14.6051, 3.0209



13.7335, 15.3636, 39.2869

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.



13.1275, 14.6051, 55.5764



19.4760, 14.6051, 3.0209



7.4182, 14.6051, 28.7934

Square

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



19.4760, 14.6051, 3.0209



7.9357, 14.6051, 5.4846



9.4766, 14.6051, 46.0302



22.2365, 14.6051, 34.8344

Rectangle

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



19.4760, 14.6051, 3.0209



11.7720, 14.6051, 1.9628



9.4766, 14.6051, 46.0302



16.2296, 14.6051, 53.8976

Sweetspot

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



19.4763, 14.6059, 3.0212



53.5083, 52.7255, 42.7041



19.7129, 10.4935, 17.2364



11.3228, 11.0348, 8.5091



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.4763, 14.6059, 3.0212



32.6103, 21.7005, 2.5328



27.5945, 30.8423, 5.7272



7.7585, 7.9971, 7.9239



13.6483, 9.1938, 1.0552



0.3817, 0.3230, 0.0422

Inverse Universe

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



13.7335, 15.3636, 39.2869



21.6447, 22.7276, 70.4712



8.5843, 5.0651, 37.5705



7.5019, 8.0408, 9.5750



9.0864, 9.6330, 29.3559



0.2683, 0.3288, 0.7300

Previews

White Background



This preview shows how the XYZ color 19.4760, 14.6051, 3.0209 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 19.4760, 14.6051, 3.0209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

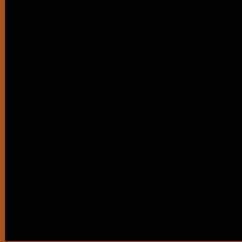
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.4760, 14.6051, 3.0209

Background



This preview shows how black text looks on a background with the XYZ color 19.4760, 14.6051, 3.0209.



This preview shows how white text looks on a background with the XYZ color 19.4760, 14.6051,

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

19.4760, 14.6051, 3.0209

Protanopia

13.4267, 14.8456, 3.8269

Deuteranopia

14.8879, 14.7116, 2.8140



Tritanopia

20.8633, 14.6194, 9.9058

Trichromacy



Original Color

19.4760, 14.6051, 3.0209

Protanomaly

15.0671, 14.3575, 3.4905

Deuteranomaly

16.3003, 14.4576, 2.8512

Tritanomaly

20.1563, 14.5425, 6.5951

Monochromacy



Original Color

19.4760, 14.6051, 3.0209

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.0009, 13.1418, 8.6362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4760, 14.6051, 3.0209 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(168, 83, 30)` looks like.

```
.text, #text, p{  
    color:rgb(168, 83, 30)  
}
```

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(168, 83, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 83, 30) }
```

Border

The CSS property to change the border of an element to XYZ 19.4760, 14.6051, 3.0209 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(168, 83, 30) }
```


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

```
.border{ border-color:rgb(168, 83, 30) }
```

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

Here you see how a box with a 4 pixel rgb(168, 83, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 83, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 83, 30);  
box-shadow:4px 4px 4px 4px rgb(168, 83,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4760, 14.6051, 3.0209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 83, 30) }
```

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

```
.background{ background-color: rgb(168, 83,  
30) }
```

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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