

Converting Colors

XYZ(19.1304, 14.3267, 0.0000)

Have a look what the booklet for
XYZ(19.1304, 14.3267, 0.0000)
contains.

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Color

**XYZ(19.5949, 14.5806,
1.7816)**

Conversions

Conversions Part 1

Format	Color
Hex	AA5200
RGB	170, 82, 0
RGB Percent	67%, 32%, 0%
CMY	0.3333, 0.6784, 1.0000
CMYK	0.00, 0.52, 1.00, 0.33
HSL	29°, 100%, 33%
HSV	29°, 100%, 67%
XYZ	19.5949, 14.5806, 1.7816
YIQ	98.9640, 78.7700, -6.8460

Conversions

Conversions Part 2

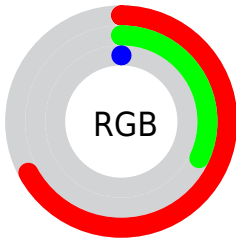
Format	Color
R_{YB}	170, 158, 0
Decimal	11162112
CIE _{Lab}	45.05, 32.21, 54.49
CIE _{LCh}	45, 63.298, 59.414
Yxy	14.5806, 0.5450, 0.4055
Android (android.graphics.Color)	4289352192 (0xFFAA5200)
YUV	98.9640, -48.7893, 62.2986
Hunter-Lab	38.1846, 24.7766, 23.9629

Details

The XYZ color **19.5949, 14.5806, 1.7816** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **10.7454, 9.8816, 39.3711**, and the grayscale version is **11.9564, 12.5790, 13.6986**.

A 20% lighter version of the original color is **42.1319, 34.0797, 8.4951**, and **7.0024, 4.4591, 0.4916** is the 20% darker color. If you saturate the color by 10%, you get **19.5950, 14.5810, 1.7816**, and if you desaturate by 10%, it is **20.4031, 16.0354, 2.5503**.

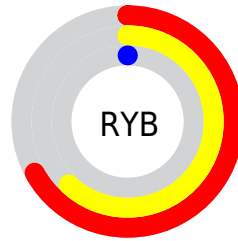
Distribution



Red (67%)

Green (32%)

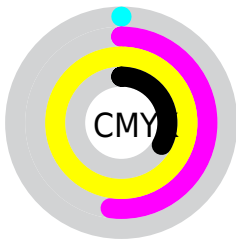
Blue (0%)



Red (67%)

Yellow (62%)

Blue (0%)

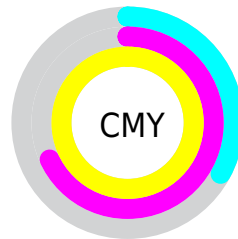


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (68%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 19.5949, 14.5806, 1.7816 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 19.5949, 14.5806, 1.7816 by changing the saturation by 10% instead.


 19.5949, 14.5806,
1.7816


 19.5949, 14.5806,
1.7816


 242.5891,
220.8135, 118.8876


 12.2075, 8.5256,
0.4158


 42.2461, 34.1157,
8.4346


 6.9583, 4.4331,
0.0000


 58.2406, 48.3646,
14.6564

 3.4822, 1.9186,
0.0000

 77.8348, 66.1136,
23.3663

 1.4136, 0.5595,
0.0000

 101.3941, 87.7470,
34.9829

 0.2659, 0.0000,
0.0000

 129.2838,
113.6494, 49.9248

 0.0000, 0.0000,
0.0000

 161.8693,

144.2049, 68.6106

■ 199.5160,
179.7982, 91.4587

■ 19.5949, 14.5806,
1.7816

■ 19.5949, 14.5806,
1.7816

■ 19.5950, 14.5810,
1.7816

■ 20.4031, 16.0354,
2.5503

■ 21.3856, 17.7002,
3.8031

■ 22.5805, 19.5957,
5.7247

■ 24.0061, 21.7336,
8.3993

■ 25.6787, 24.1246,
11.8984

■ 27.6126, 26.7786,
16.2850

■ 29.8208, 29.7045,
21.6160

■ 32.3155, 32.9112,
27.9435

■ 35.1079, 36.4066,
35.3157

Harmonies

Analogous

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



24.5220, 14.5806, 5.5554



19.5949, 14.5806, 1.7816



13.9610, 14.5806, 1.0063

Triad

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



19.5949, 14.5806, 1.7816



6.0712, 14.5806, 15.5846



19.3726, 14.5806, 56.1725

Complementary

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



19.5949, 14.5806, 1.7816



10.7454, 9.8816, 39.3711

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.



13.7564, 14.5806, 65.1843



19.5949, 14.5806, 1.7816



6.8451, 14.5806, 34.5035

Square

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



19.5949, 14.5806, 1.7816



6.9093, 14.5806, 5.3072



9.3674, 14.5806, 55.4950



24.3726, 14.5806, 35.3619

Rectangle

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



19.5949, 14.5806, 1.7816



10.7932, 14.5806, 1.2877



9.3674, 14.5806, 55.4950



17.4551, 14.5806, 61.1012

Sweetspot

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



19.5952, 14.5814, 1.7818



53.8746, 53.5926, 38.6453



18.4516, 9.2957, 10.6445



11.6371, 11.4554, 7.6959



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.



19.5952, 14.5814, 1.7818



35.3374, 26.0242, 3.1607



29.9127, 35.2164, 5.2210



7.8185, 8.1171, 7.9439



14.4697, 10.8367, 1.3291



0.4035, 0.3666, 0.0495

Inverse Universe

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



10.7454, 9.8816, 39.3711



19.2768, 17.4900, 71.3618



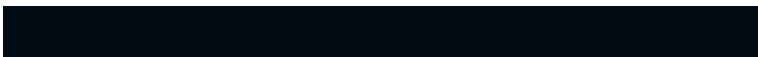
7.3173, 3.0254, 38.2284



7.4409, 7.9187, 9.5546



7.9604, 7.3810, 28.9806



0.2445, 0.2813, 0.7221

Previews

White Background



This preview shows how the XYZ color 19.5949, 14.5806, 1.7816 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 19.5949, 14.5806, 1.7816 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 19.5949, 14.5806, 1.7816

Background



This preview shows how black text looks on a background with the XYZ color 19.5949, 14.5806, 1.7816.



This preview shows how white text looks on a background with the XYZ color 19.5949, 14.5806,

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

19.5949, 14.5806, 1.7816

Protanopia

13.3339, 14.8246, 2.6106

Deuteranopia

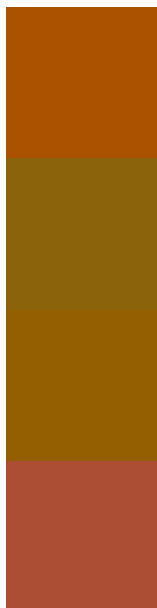
14.9047, 14.7370, 2.0590



Tritanopia

21.0829, 14.5336, 9.4787

Trichromacy



Original Color

19.5949, 14.5806, 1.7816

Protanomaly

15.1641, 14.4346, 2.2741

Deuteranomaly

16.3050, 14.4803, 1.9356

Tritanomaly

20.1388, 14.3546, 4.9581

Monochromacy



Original Color

19.5949, 14.5806, 1.7816

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.2690, 12.5476, 6.4252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5949, 14.5806, 1.7816 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, 82, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 82, 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, 82, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 82, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.5949, 14.5806, 1.7816 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, 82, 0) }
```


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

```
.border{ border-color:rgb(170, 82, 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, 82, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 82, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 82, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 82, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.5949, 14.5806, 1.7816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 82, 0) }
```

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

```
.background{ background-color: rgb(170, 82,  
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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