

Converting Colors

XYZ(19.4789, 13.9291, 3.1861)

Have a look what the booklet for
XYZ(19.4789, 13.9291, 3.1861)
contains.

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Color

**XYZ(19.5202, 13.9693,
3.1809)**

Conversions

Conversions Part 1

Format	Color
Hex	AA4D22
RGB	170, 77, 34
RGB Percent	67%, 30%, 13%
CMY	0.3333, 0.6980, 0.8667
CMYK	0.00, 0.55, 0.80, 0.33
HSL	19°, 67%, 40%
HSV	19°, 80%, 67%
XYZ	19.5202, 13.9693, 3.1809
YIQ	99.9050, 69.2310, 6.3430

Conversions

Conversions Part 2

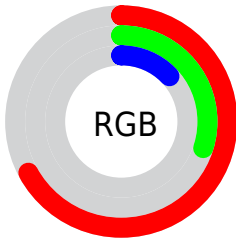
Format	Color
RYB	170, 97, 34
Decimal	11160866
CIELab	44.19, 35.56, 42.18
CIELCh	44, 55.169, 49.863
Yxy	13.9693, 0.5323, 0.3809
Android (android.graphics.Color)	4289350946 (0xFFAA4D22)
YUV	99.9050, -32.4912, 61.4733
Hunter-Lab	37.3755, 27.8184, 21.1169

Details

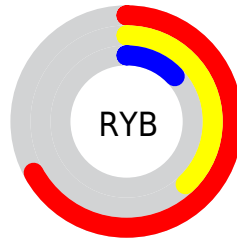
The XYZ color **19.5202, 13.9693, 3.1809** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **15.5042, 18.4199, 40.7682**, and the grayscale version is **12.1572, 12.7904, 13.9287**.

A 20% lighter version of the original color is **42.1972, 33.0365, 12.1353**, and **6.9475, 4.1634, 0.4374** is the 20% darker color. If you saturate the color by 10%, you get **18.5909, 12.4110, 1.9461**, and if you desaturate by 10%, it is **20.7167, 15.8684, 5.1032**.

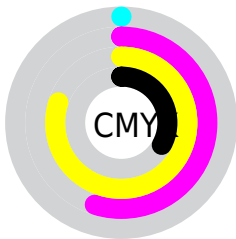
Distribution



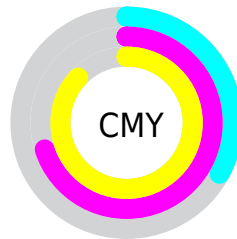
- Red (67%)
- Green (30%)
- Blue (13%)



- Red (67%)
- Yellow (38%)
- Blue (13%)



- Cyan (0%)
- Magenta (55%)
- Yellow (80%)
- Black (33%)



- Cyan (33%)
- Magenta (70%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5202, 13.9693, 3.1809 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 19.5202, 13.9693, 3.1809 by changing the saturation by 10% instead.

■ 19.5202, 13.9693,
3.1809

■ 19.5202, 13.9693,
3.1809

242.1891,
217.0398, 138.6323

■ 12.1530, 8.0993,
1.1877

■ 42.1214, 33.0345,
12.0716

■ 6.9209, 4.1586,
0.0000

■ 58.0861, 46.9986,
19.8063

■ 3.4586, 1.7627,
0.0000

■ 77.6473, 64.4295,
30.2919

■ 1.4006, 0.4637,
0.0000

■ 101.1705, 85.7115,
43.9469

■ 0.2567, 0.0000,
0.0000

■ 129.0209,
111.2292, 61.1899

■ 0.0000, 0.0000,
0.0000

■ 161.5638,

141.3669, 82.4395

199.1648,
176.5089, 108.1141

19.5202, 13.9693,
3.1809

19.5202, 13.9693,
3.1809

18.5909, 12.4110,
1.9461

20.7167, 15.8684,
5.1032

17.8854, 11.1618,
1.2118

22.2025, 18.1266,
7.7977

17.8853, 11.1617,
1.2118

23.9980, 20.7635,
11.3375

26.1214, 23.7964,
15.7871

28.5891, 27.2415,
21.2045

■ 31.4167, 31.1140,
27.6428

■ 34.6185, 35.4282,
35.1513

■ 38.2081, 40.1980,
43.7760

■ 42.1985, 45.4364,
53.5603

Harmonies

Analogous

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



22.9433, 13.9693, 8.3671



19.5202, 13.9693, 3.1809



14.8247, 13.9693, 1.6474

Triad

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



19.5202, 13.9693, 3.1809



6.5629, 13.9693, 11.3277



16.3683, 13.9693, 51.3342

Complementary

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



19.5202, 13.9693, 3.1809



15.5042, 18.4199, 40.7682

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.



11.8417, 13.9693, 53.7668



19.5202, 13.9693, 3.1809



6.7980, 13.9693, 25.0309

Square

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



19.5202, 13.9693, 3.1809



7.7975, 13.9693, 4.3195



8.5315, 13.9693, 42.3145



20.8628, 13.9693, 36.8186

Rectangle

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



19.5202, 13.9693, 3.1809



11.8787, 13.9693, 1.6428



8.5315, 13.9693, 42.3145



14.7818, 13.9693, 53.8136

Sweetspot

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



19.5205, 13.9701, 3.1811



54.6444, 53.2390, 44.7386



21.1253, 11.2804, 21.9026



11.7951, 11.3361, 9.0905



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.



19.5205, 13.9701, 3.1811



32.7265, 20.7246, 2.5302



26.6587, 28.2464, 5.5605



7.7175, 7.9151, 7.9103



13.2019, 8.3011, 0.9065



0.3667, 0.2930, 0.0372

Inverse Universe

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



15.5042, 18.4199, 40.7682



24.9148, 28.6012, 73.2093



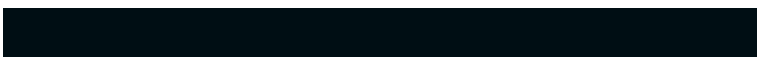
9.5949, 6.6014, 38.7985



7.5445, 8.1259, 9.5892



10.0039, 11.4680, 29.6618



0.2862, 0.3647, 0.7359

Previews

White Background



This preview shows how the XYZ color 19.5202, 13.9693, 3.1809 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 19.5202, 13.9693, 3.1809 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 19.5202, 13.9693, 3.1809

Background



This preview shows how black text looks on a background with the XYZ color 19.5202, 13.9693, 3.1809.



This preview shows how white text looks on a background with the XYZ color 19.5202, 13.9693,

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

19.5202, 13.9693, 3.1809

Protanopia

12.8056, 14.0522, 4.2279

Deuteranopia

14.2593, 14.0945, 2.9462



Tritanopia

20.6702, 13.9412, 8.6227

Trichromacy



Original Color

19.5202, 13.9693, 3.1809

Protanomaly

14.6118, 13.5651, 3.7677

Deuteranomaly

15.9030, 13.8540, 2.9983

Tritanomaly

20.0857, 13.8924, 6.0377

Monochromacy



Original Color

19.5202, 13.9693, 3.1809

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.5891, 12.5361, 8.5410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5202, 13.9693, 3.1809 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, 77, 34)` looks like.

```
.text, #text, p{  
    color:rgb(170, 77, 34)  
}
```

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, 77, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 77, 34) }
```

Border

The CSS property to change the border of an element to XYZ 19.5202, 13.9693, 3.1809 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, 77, 34) }
```


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

```
.border{ border-color:rgb(170, 77, 34) }
```

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

Here you see how a box with a 4 pixel rgb(170, 77, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 77, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 77, 34);  
box-shadow:4px 4px 4px 4px rgb(170, 77,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5202, 13.9693, 3.1809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 77, 34) }
```

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

```
.background{ background-color: rgb(170, 77,  
34) }
```

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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