

Converting Colors

XYZ(34.4608, 19.8222, 2.6814)

Have a look what the booklet for
XYZ(34.4608, 19.8222, 2.6814)
contains.

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Color

**XYZ(34.4954, 19.8678,
2.6786)**

Conversions

Conversions Part 1

Format	Color
Hex	E73814
RGB	231, 56, 20
RGB Percent	91%, 22%, 8%
CMY	0.0941, 0.7803, 0.9216
CMYK	0.00, 0.76, 0.91, 0.09
HSL	10°, 84%, 49%
HSV	10°, 91%, 91%
XYZ	34.4954, 19.8678, 2.6786
YIQ	104.2210, 115.8560, 25.9040

Conversions

Conversions Part 2

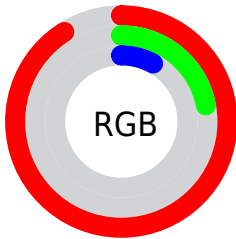
Format	Color
R_{YB}	231, 63, 20
Decimal	15153172
CIE _{Lab}	51.69, 64.90, 58.54
CIE _{LCh}	52, 87.394, 42.050
Yxy	19.8678, 0.6047, 0.3483
Android (android.graphics.Color)	4293343252 (0xFFE73814)
YUV	104.2210, -41.5210, 111.1852
Hunter-Lab	44.5733, 60.1383, 27.6383

Details

The XYZ color **34.4954, 19.8678, 2.6786** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **34.2243, 44.9424, 82.4715**, and the grayscale version is **13.3052, 13.9981, 15.2439**.

A 20% lighter version of the original color is **48.6227, 34.2057, 10.0009**, and **15.7259, 8.1070, 0.7360** is the 20% darker color. If you saturate the color by 10%, you get **33.6943, 18.4679, 1.7888**, and if you desaturate by 10%, it is **35.9203, 22.2194, 4.6909**.

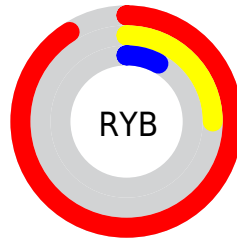
Distribution



Red (91%)

Green (22%)

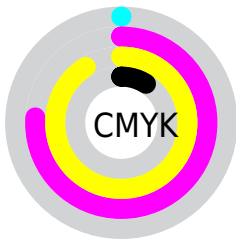
Blue (8%)



Red (91%)

Yellow (25%)

Blue (8%)

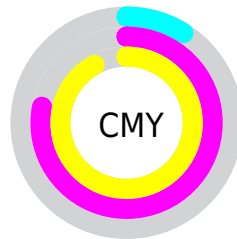


Cyan (0%)

Magenta (76%)

Yellow (91%)

Black (9%)



Cyan (9%)


Magenta (78%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4954, 19.8678, 2.6786 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 34.4954, 19.8678, 2.6786 by changing the saturation by 10% instead.


 34.4954, 19.8678,
2.6786


 34.4954, 19.8678,
2.6786


313.8826,
251.1985, 132.1556

 23.4391, 12.2990,
0.9326


 66.0425, 43.1954,
10.8245

 15.0406, 6.9476,
0.0000


 87.2641, 59.7230,
18.0618


 8.9344, 3.4294,
0.0000


 112.6047, 80.0057,
27.9669

 4.7552, 1.3598,
0.0000

 142.4299,
104.4278, 40.9580

 2.1376, 0.1868,
0.0000

 177.1049,
133.3737, 57.4540


 0.7095, 0.0000,
0.0000


 216.9951,


 0.0000, 0.0000,


167.2279, 77.8732


0.0000


 262.4659,
206.3747, 102.6342


 34.4954, 19.8678,
2.6786


 34.4954, 19.8678,
2.6786


 33.6943, 18.4679,
1.7888

 35.9203, 22.2194,
4.6909

 37.9760, 25.4485,
8.0960

 40.7301, 29.6342,
13.0910

 44.2405, 34.8452,
19.8408

 48.5592, 41.1440,
28.4895

■ 53.7331, 48.5881,
39.1662

■ 59.8058, 57.2307,
51.9888

■ 66.8175, 67.1217,
67.0660

■ 74.8063, 78.3083,
84.4991

Harmonies

Analogous

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



40.8159, 19.8678, 12.9902



34.4954, 19.8678, 2.6786



24.6112, 19.8678, 0.4178

Triad

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



34.4954, 19.8678, 2.6786



6.9035, 19.8678, 9.8457



22.6526, 19.8678, 112.4677

Complementary

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



34.4954, 19.8678, 2.6786



34.2243, 44.9424, 82.4715

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.



14.1219, 19.8678, 108.6269



34.4954, 19.8678, 2.6786



6.6749, 19.8678, 33.4476

Square

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



34.4954, 19.8678, 2.6786



9.6456, 19.8678, 1.8925



8.8778, 19.8678, 73.2405



32.6826, 19.8678, 81.5086

Rectangle

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



34.4954, 19.8678, 2.6786



18.2832, 19.8678, 0.1243



8.8778, 19.8678, 73.2405



19.4973, 19.8678, 115.6171

Sweetspot

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



34.4958, 19.8690, 2.6789



70.2904, 65.1545, 55.4094



43.1496, 21.4670, 53.9941



14.5080, 13.1795, 10.7319



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



34.4958, 19.8690, 2.6789



42.1230, 23.0260, 2.2243



45.7676, 42.4126, 6.4362



14.5748, 14.7635, 14.9859



18.9512, 10.4765, 1.0233



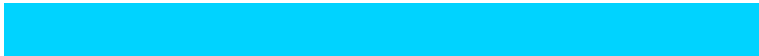
1.4597, 0.8928, 0.0954

Inverse Universe

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



34.2243, 44.9424, 82.4715



41.4630, 54.0460, 102.8543



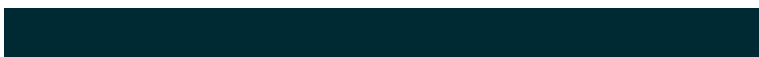
18.3966, 13.2871, 77.1956



14.5871, 15.8957, 18.4437



18.6814, 24.4250, 46.1130



1.4360, 1.9160, 3.4261

Previews

White Background



This preview shows how the XYZ color 34.4954, 19.8678, 2.6786 looks on a white 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

Black Background



This preview shows how the XYZ color 34.4954, 19.8678, 2.6786 looks on a black 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

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

XYZ 34.4954, 19.8678, 2.6786

Background



This preview shows how black text looks on a background with the XYZ color 34.4954, 19.8678, 2.6786.



This preview shows how white text looks on a background with the XYZ color 34.4954, 19.8678,

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

34.4954, 19.8678, 2.6786

Protanopia

18.1735, 20.0316, 4.5777

Deuteranopia

20.1887, 20.0248, 2.8011



Tritanopia

35.2177, 19.9684, 5.4881

Trichromacy



Original Color

34.4954, 19.8678, 2.6786

Protanomaly

21.7094, 17.7881, 3.5175

Deuteranomaly

23.6590, 18.2670, 2.4799

Tritanomaly

35.0158, 19.9613, 4.1979

Monochromacy



Original Color

34.4954, 19.8678, 2.6786

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

17.1885, 13.7815, 8.0575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4954, 19.8678, 2.6786 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(231, 56, 20)` looks like.

```
.text, #text, p{  
    color:rgb(231, 56, 20)  
}
```

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(231, 56, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 56, 20) }
```

Border

The CSS property to change the border of an element to XYZ 34.4954, 19.8678, 2.6786 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(231, 56, 20) }
```


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

```
.border{ border-color:rgb(231, 56, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 56, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 56, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 56, 20);  
box-shadow:4px 4px 4px 4px rgb(231, 56,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4954, 19.8678, 2.6786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 56, 20) }
```

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

```
.background{ background-color: rgb(231, 56,  
20) }
```

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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