

Converting Colors

XYZ(34.1543, 20.1033, 2.0802)

Have a look what the booklet for
XYZ(34.1543, 20.1033, 2.0802)
contains.

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Color

**XYZ(33.9818, 19.9955,
2.0685)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E53D00 |
| RGB | 229, 61, 0 |
| RGB Percent | 90%, 24%, 0% |
| CMY | 0.1020, 0.7607, 1.0000 |
| CMYK | 0.00, 0.73, 1.00, 0.10 |
| HSL | 16°, 100%, 45% |
| HSV | 16°, 100%, 90% |
| XYZ | 33.9818, 19.9955, 2.0685 |
| YIQ | 104.2780, 119.7090, 16.6450 |

Conversions

Conversions Part 2

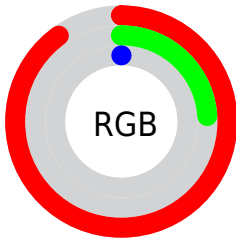
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 229, 83, 0 |
| Decimal | 15023360 |
| CIE _{Lab} | 51.83, 62.49, 63.59 |
| CIE _{LCh} | 52, 89.155, 45.497 |
| Yxy | 19.9955, 0.6063, 0.3568 |
| Android (android.graphics.Color) | 4293213440 (0xFFE53D00) |
| YUV | 104.2780, -51.4091, 109.3812 |
| Hunter-Lab | 44.7163, 57.3960, 28.5588 |

Details

The XYZ color **33.9818, 19.9955, 2.0685** 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 **28.1435, 33.6586, 79.1414**, and the grayscale version is **13.3454, 14.0404, 15.2900**.

A 20% lighter version of the original color is **48.6524, 34.7799, 8.4239**, and **15.3098, 7.8925, 0.7165** is the 20% darker color. If you saturate the color by 10%, you get **33.9821, 19.9964, 2.0686**, and if you desaturate by 10%, it is **35.1775, 22.1414, 3.2252**.

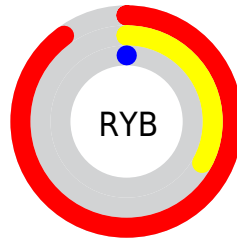
Distribution



Red (90%)

Green (24%)

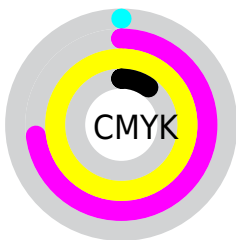
Blue (0%)



Red (90%)

Yellow (33%)

Blue (0%)

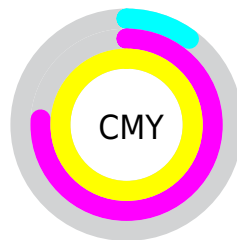


Cyan (0%)

Magenta (73%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (76%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9818, 19.9955, 2.0685 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 33.9818, 19.9955, 2.0685 by changing the saturation by 10% instead.

 33.9818, 19.9955,
2.0685


 33.9818, 19.9955,
2.0685


 311.6382,
251.8908, 123.4315

 23.0424, 12.3918,
0.5969


 65.2498, 43.4096,
9.2272


 14.7457, 7.0111,
0.0000


 86.3092, 59.9888,
15.7962


 8.7263, 3.4690,
0.0000


 111.4727, 80.3287,
24.9162

 4.6187, 1.3812,
0.0000

 141.1056,
104.8135, 37.0058

 2.0578, 0.2028,
0.0000

 175.5732,
133.8277, 52.4836


 0.6661, 0.0000,
0.0000


 215.2409,


 0.0000, 0.0000,


167.7557, 71.7682


0.0000


 260.4742,
206.9820, 95.2780


 33.9818, 19.9955,
2.0685


 33.9818, 19.9955,
2.0685


 33.9821, 19.9964,
2.0686

 35.1775, 22.1414,
3.2252

 36.8593, 24.9680,
5.4411

 39.1070, 28.5423,
9.0301

 41.9736, 32.9164,
14.1757

 45.5053, 38.1373,
21.0330

■ 49.7433, 44.2480,
29.7377

■ 54.7255, 51.2886,
40.4121

■ 60.4869, 59.2966,
53.1679

■ 67.0600, 68.3075,
68.1081

Harmonies

Analogous

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



41.1637, 19.9955, 10.9939



33.9818, 19.9955, 2.0685



23.7000, 19.9955, 0.2134

Triad

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



33.9818, 19.9955, 2.0685



6.6535, 19.9955, 11.5314



24.0390, 19.9955, 113.6305

Complementary

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



33.9818, 19.9955, 2.0685



28.1435, 33.6586, 79.1414

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.



14.9752, 19.9955, 114.3043



33.9818, 19.9955, 2.0685



6.6923, 19.9955, 37.9688

Square

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



33.9818, 19.9955, 2.0685



9.1067, 19.9955, 2.1983



9.2379, 19.9955, 80.0899



34.2969, 19.9955, 78.6435

Rectangle

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



33.9818, 19.9955, 2.0685



17.3879, 19.9955, 0.0434



9.2379, 19.9955, 80.0899



20.7196, 19.9955, 118.4547

Sweetspot

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



33.9822, 19.9967, 2.0688



69.7223, 65.2867, 51.3100



39.7352, 19.6269, 40.5981



14.3224, 13.1286, 9.6823



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.



33.9822, 19.9967, 2.0688



43.3033, 25.3867, 2.6178



47.0178, 46.0679, 6.4140



14.6877, 14.9894, 15.0236



19.5139, 11.6020, 1.2109



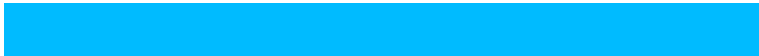
1.5168, 1.0069, 0.1144

Inverse Universe

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



28.1435, 33.6586, 79.1414



35.8336, 42.7872, 100.9779



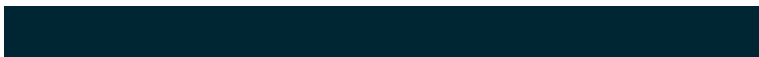
15.6184, 8.6084, 74.9664



14.4656, 15.6526, 18.4032



16.1949, 19.4520, 45.2842



1.2720, 1.5880, 3.3714

Previews

White Background



This preview shows how the XYZ color 33.9818, 19.9955, 2.0685 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 33.9818, 19.9955, 2.0685 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 33.9818, 19.9955, 2.0685

Background



This preview shows how black text looks on a background with the XYZ color 33.9818, 19.9955, 2.0685.



This preview shows how white text looks on a background with the XYZ color 33.9818, 19.9955,

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

33.9818, 19.9955, 2.0685

Protanopia

18.3353, 20.3173, 3.9325

Deuteranopia

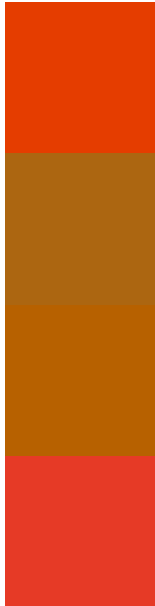
20.3831, 20.1250, 2.8102



Tritanopia

34.8857, 20.0650, 6.1719

Trichromacy



Original Color

33.9818, 19.9955, 2.0685

Protanomaly

21.8658, 18.3139, 2.9128

Deuteranomaly

23.8031, 18.6167, 2.3388

Tritanomaly

34.4960, 19.9890, 3.8739

Monochromacy



Original Color

33.9818, 19.9955, 2.0685

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

16.8675, 13.7624, 6.9216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9818, 19.9955, 2.0685 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(229, 61, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 61, 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(229, 61, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 61, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.9818, 19.9955, 2.0685 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(229, 61, 0) }
```


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

```
.border{ border-color:rgb(229, 61, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 61, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 61, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 61, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 61, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.9818, 19.9955, 2.0685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 61, 0) }
```

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

```
.background{ background-color: rgb(229, 61,  
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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