

Converting Colors

XYZ(33.3056, 19.1048, 2.2796)

Have a look what the booklet for
XYZ(33.3056, 19.1048, 2.2796)
contains.

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Color

**XYZ(33.3804, 19.1589,
2.2865)**

Conversions

Conversions Part 1

Format	Color
Hex	E4360C
RGB	228, 54, 12
RGB Percent	89%, 21%, 5%
CMY	0.1059, 0.7882, 0.9529
CMYK	0.00, 0.76, 0.95, 0.11
HSL	12°, 90%, 47%
HSV	12°, 95%, 89%
XYZ	33.3804, 19.1589, 2.2865
YIQ	101.2380, 117.1860, 23.8260

Conversions

Conversions Part 2

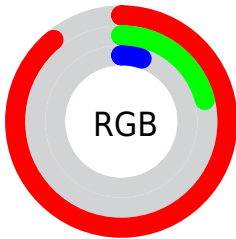
Format	Color
R_{YB}	228, 64, 12
Decimal	14956044
CIE Lab	50.87, 64.52, 60.12
CIE LCh	51, 88.190, 42.977
Yxy	19.1589, 0.6088, 0.3495
Android (android.graphics.Color)	4293146124 (0xFFE4360C)
YUV	101.2380, -43.9943, 111.1703
Hunter-Lab	43.7709, 59.5280, 27.5424

Details

The XYZ color **33.3804, 19.1589, 2.2865** 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 **31.7110, 40.7913, 79.6002**, and the grayscale version is **12.5219, 13.1741, 14.3465**.

A 20% lighter version of the original color is **48.2407, 33.6880, 9.1141**, and **15.1043, 7.7865, 0.7069** is the 20% darker color. If you saturate the color by 10%, you get **32.9083, 18.3212, 1.8019**, and if you desaturate by 10%, it is **34.6370, 21.2980, 3.8600**.

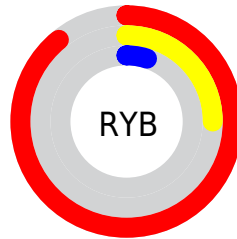
Distribution



Red (89%)

Green (21%)

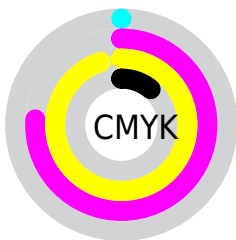
Blue (5%)



Red (89%)

Yellow (25%)

Blue (5%)

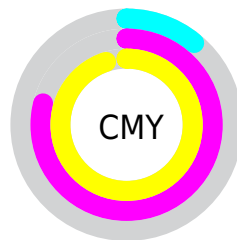


Cyan (0%)

Magenta (76%)

Yellow (95%)

Black (11%)



Cyan (11%)


Magenta (79%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3804, 19.1589, 2.2865 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 33.3804, 19.1589, 2.2865 by changing the saturation by 10% instead.

 33.3804, 19.1589,
2.2865


 33.3804, 19.1589,
2.2865


308.9951,
247.3246, 126.6780


 22.5786, 11.7852,
0.7236


 64.3197, 42.0024,
9.8102

 14.4017, 6.5976,
0.0000


 85.1879, 58.2410,
16.6277


 8.4841, 3.2117,
0.0000


 110.1424, 78.2033,
26.0402

 4.4607, 1.2432,
0.0000

 139.5484,
102.2737, 38.4663

 1.9659, 0.0966,
0.0000

 173.7713,
130.8367, 54.3246

 0.6147, 0.0000,
0.0000


 213.1765,


 0.0000, 0.0000,


164.2765, 74.0336


0.0000


 258.1293,
202.9777, 98.0119


 33.3804, 19.1589,
2.2865


 33.3804, 19.1589,
2.2865


 32.9083, 18.3212,
1.8019

 34.6370, 21.2980,
3.8600

 36.4675, 24.2339,
6.7056

 38.9378, 28.0398,
11.0273

 42.1038, 32.7790,
16.9928

 46.0148, 38.5088,
24.7467

■ 50.7158, 45.2820,
34.4178

■ 56.2478, 53.1472,
46.1229

■ 62.6490, 62.1503,
59.9695

■ 69.9552, 72.3342,
76.0574

Harmonies

Analogous

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



39.8362, 19.1589, 11.8522



33.3804, 19.1589, 2.2865



23.5547, 19.1589, 0.2367

Triad

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



33.3804, 19.1589, 2.2865



6.4475, 19.1589, 9.7506



22.2270, 19.1589, 110.9138

Complementary

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



33.3804, 19.1589, 2.2865



31.7110, 40.7913, 79.6002

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.



13.7418, 19.1589, 108.2700



33.3804, 19.1589, 2.2865



6.2958, 19.1589, 33.5619

Square

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



33.3804, 19.1589, 2.2865



9.0270, 19.1589, 1.7816



8.5143, 19.1589, 73.4658



32.1459, 19.1589, 79.1384

Rectangle

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



33.3804, 19.1589, 2.2865



17.3557, 19.1589, 0.0000



8.5143, 19.1589, 73.4658



19.0918, 19.1589, 114.4786

Sweetspot

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



33.3808, 19.1601, 2.2868



69.9271, 64.8584, 53.9612



41.2463, 20.4049, 49.5676



14.3109, 12.9485, 10.1634



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.



33.3808, 19.1601, 2.2868



42.3636, 23.5071, 2.3045



44.5625, 41.5234, 6.0140



14.6028, 14.8195, 14.9952



19.0679, 10.7099, 1.0622



1.4729, 0.9192, 0.0998

Inverse Universe

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



31.7110, 40.7913, 79.6002



39.9772, 51.0744, 102.3591



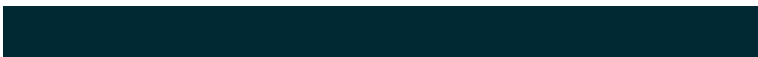
17.0532, 11.4757, 74.7143



14.5568, 15.8349, 18.4336



18.0262, 23.1145, 45.8946



1.3933, 1.8304, 3.4118

Previews

White Background



This preview shows how the XYZ color 33.3804, 19.1589, 2.2865 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 33.3804, 19.1589, 2.2865 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 33.3804, 19.1589, 2.2865

Background



This preview shows how black text looks on a background with the XYZ color 33.3804, 19.1589, 2.2865.



This preview shows how white text looks on a background with the XYZ color 33.3804, 19.1589,

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

33.3804, 19.1589, 2.2865

Protanopia

17.5104, 19.3312, 4.0367

Deuteranopia

19.5718, 19.3608, 2.7055



Tritanopia

34.0945, 19.2647, 5.0534

Trichromacy



Original Color

33.3804, 19.1589, 2.2865

Protanomaly

21.0069, 17.1573, 3.0151

Deuteranomaly

22.9923, 17.6612, 2.3120

Tritanomaly

33.8750, 19.2476, 3.6800

Monochromacy



Original Color

33.3804, 19.1589, 2.2865

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

16.2771, 12.9734, 7.2764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3804, 19.1589, 2.2865 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(228, 54, 12)` looks like.

```
.text, #text, p{  
    color:rgb(228, 54, 12)  
}
```

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(228, 54, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 54, 12) }
```

Border

The CSS property to change the border of an element to XYZ 33.3804, 19.1589, 2.2865 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(228, 54, 12) }
```


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

```
.border{ border-color:rgb(228, 54, 12) }
```

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

Here you see how a box with a 4 pixel rgb(228, 54, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 54, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 54, 12);  
box-shadow:4px 4px 4px 4px rgb(228, 54,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3804, 19.1589, 2.2865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 54, 12) }
```

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

```
.background{ background-color: rgb(228, 54,  
12) }
```

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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