

Converting Colors

XYZ(33.8026, 19.4528, 2.5760)

Have a look what the booklet for
XYZ(33.8026, 19.4528, 2.5760)
contains.

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Color

**XYZ(33.7968, 19.4374,
2.5866)**

Conversions

Conversions Part 1

Format	Color
Hex	E53713
RGB	229, 55, 19
RGB Percent	90%, 22%, 7%
CMY	0.1020, 0.7843, 0.9255
CMYK	0.00, 0.76, 0.92, 0.10
HSL	10°, 85%, 49%
HSV	10°, 92%, 90%
XYZ	33.7968, 19.4374, 2.5866
YIQ	102.9220, 115.2600, 25.6920

Conversions

Conversions Part 2

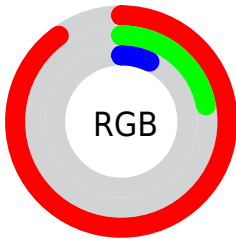
Format	Color
R_{YB}	229, 62, 19
Decimal	15021843
CIE Lab	51.20, 64.59, 58.36
CIE LCh	51, 87.053, 42.098
Yxy	19.4374, 0.6055, 0.3482
Android (android.graphics.Color)	4293211923 (0xFFE53713)
YUV	102.9220, -41.3735, 110.5704
Hunter-Lab	44.0879, 59.6805, 27.3830

Details

The XYZ color **33.7968, 19.4374, 2.5866** 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 **33.4783, 43.9296, 80.8428**, and the grayscale version is **12.9577, 13.6325, 14.8458**.

A 20% lighter version of the original color is **48.4762, 33.9637, 9.7950**, and **15.3098, 7.8925, 0.7165** is the 20% darker color. If you saturate the color by 10%, you get **33.0472, 18.1268, 1.7570**, and if you desaturate by 10%, it is **35.1769, 21.7201, 4.5196**.

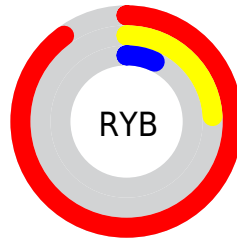
Distribution



Red (90%)

Green (22%)

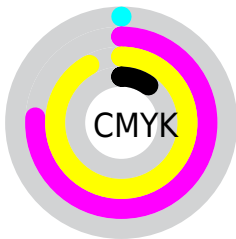
Blue (7%)



Red (90%)

Yellow (24%)

Blue (7%)

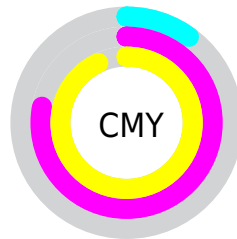


Cyan (0%)

Magenta (76%)

Yellow (92%)

Black (10%)



Cyan (10%)


Magenta (78%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7968, 19.4374, 2.5866 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 33.7968, 19.4374, 2.5866 by changing the saturation by 10% instead.

 33.7968, 19.4374,
2.5866


 33.7968, 19.4374,
2.5866


310.8269,
248.8529, 130.9075


 22.8997, 11.9868,
0.8855


 64.9639, 42.4719,
10.5901

 14.6397, 6.7347,
0.0000


 85.9647, 58.8246,
17.7317


 8.6516, 3.2967,
0.0000


 111.0640, 78.9133,
27.5246

 4.5699, 1.2885,
0.0000

 140.6273,
103.1226, 40.3873

 2.0293, 0.1323,
0.0000

 175.0199,
131.8369, 56.7385


 0.6504, 0.0000,
0.0000


 214.6071,


 0.0000, 0.0000,


165.4404, 76.9965


0.0000


 259.7543,
204.3176, 101.5800


 33.7968, 19.4374,
2.5866


 33.7968, 19.4374,
2.5866


 33.0472, 18.1268,
1.7570

 35.1769, 21.7201,
4.5196

 37.1720, 24.8588,
7.8100

 39.8486, 28.9309,
12.6518

 43.2637, 34.0040,
19.2073

 47.4681, 40.1390,
27.6181

■ 52.5078, 47.3923,
38.0110

■ 58.4256, 55.8159,
50.5018

■ 65.2608, 65.4588,
65.1971

■ 73.0508, 76.3670,
82.1964

Harmonies

Analogous

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



40.0190, 19.4374, 12.6573



33.7968, 19.4374, 2.5866



24.0831, 19.4374, 0.3796

Triad

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



33.7968, 19.4374, 2.5866



6.7244, 19.4374, 9.6252



22.1904, 19.4374, 110.4804

Complementary

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



33.7968, 19.4374, 2.5866



33.4783, 43.9296, 80.8428

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.



13.8125, 19.4374, 106.7600



33.7968, 19.4374, 2.5866



6.5043, 19.4374, 32.8198

Square

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



33.7968, 19.4374, 2.5866



9.4061, 19.4374, 1.8332



8.6658, 19.4374, 71.9640



32.0437, 19.4374, 79.9689

Rectangle

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



33.7968, 19.4374, 2.5866



17.8716, 19.4374, 0.0890



8.6658, 19.4374, 71.9640



19.0911, 19.4374, 113.6014

Sweetspot

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



33.7972, 19.4386, 2.5869



69.5547, 64.1136, 53.8371



42.2833, 21.0187, 52.8671



14.2244, 12.7754, 10.1345



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.



33.7972, 19.4386, 2.5869



42.1306, 23.0413, 2.2269



44.8285, 41.5011, 6.2640



14.5758, 14.7654, 14.9862



18.9549, 10.4840, 1.0246



1.4602, 0.8937, 0.0955

Inverse Universe

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



33.4783, 43.9296, 80.8428



41.4114, 53.9429, 102.8371



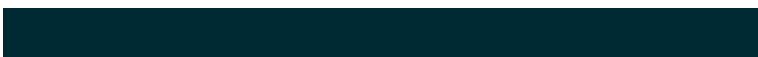
17.9838, 12.9404, 75.6780



14.5861, 15.8936, 18.4433



18.6587, 24.3795, 46.1055



1.4345, 1.9130, 3.4256

Previews

White Background



This preview shows how the XYZ color 33.7968, 19.4374, 2.5866 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 33.7968, 19.4374, 2.5866 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 33.7968, 19.4374, 2.5866

Background



This preview shows how black text looks on a background with the XYZ color 33.7968, 19.4374, 2.5866.



This preview shows how white text looks on a background with the XYZ color 33.7968, 19.4374,

2.5866.

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

33.7968, 19.4374, 2.5866

Protanopia

17.7029, 19.6056, 4.4413

Deuteranopia

19.7630, 19.4593, 2.7144



Tritanopia

34.5037, 19.5360, 5.3204

Trichromacy



Original Color

33.7968, 19.4374, 2.5866

Protanomaly

21.1670, 17.3701, 3.3995

Deuteranomaly

23.3325, 17.9658, 2.4390

Tritanomaly

34.3065, 19.5293, 4.0592

Monochromacy



Original Color

33.7968, 19.4374, 2.5866

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

16.8919, 13.5130, 7.8489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7968, 19.4374, 2.5866 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, 55, 19)` looks like.

```
.text, #text, p{  
    color:rgb(229, 55, 19)  
}
```

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, 55, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 55, 19) }
```

Border

The CSS property to change the border of an element to XYZ 33.7968, 19.4374, 2.5866 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, 55, 19) }
```


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

```
.border{ border-color:rgb(229, 55, 19) }
```

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

Here you see how a box with a 4 pixel rgb(229, 55, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 55, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 55, 19);  
box-shadow:4px 4px 4px 4px rgb(229, 55,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7968, 19.4374, 2.5866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 55, 19) }
```

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

```
.background{ background-color: rgb(229, 55,  
19) }
```

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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