

Converting Colors

XYZ(33.9567, 19.7079, 2.0159)

Have a look what the booklet for
XYZ(33.9567, 19.7079, 2.0159)
contains.

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Color

**XYZ(33.7762, 19.5843,
1.9999)**

Conversions

Conversions Part 1

Format	Color
Hex	E53900
RGB	229, 57, 0
RGB Percent	90%, 22%, 0%
CMY	0.1020, 0.7764, 1.0000
CMYK	0.00, 0.75, 1.00, 0.10
HSL	15°, 100%, 45%
HSV	15°, 100%, 90%
XYZ	33.7762, 19.5843, 1.9999
YIQ	101.9300, 120.8090, 18.7370

Conversions

Conversions Part 2

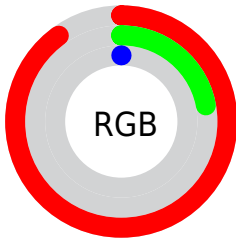
Format	Color
R_{YB}	229, 76, 0
Decimal	15022336
CIE Lab	51.36, 63.79, 63.38
CIE LCh	51, 89.923, 44.812
Yxy	19.5843, 0.6101, 0.3538
Android (android.graphics.Color)	4293212416 (0xFFE53900)
YUV	101.9300, -50.2515, 111.4404
Hunter-Lab	44.2542, 58.7922, 28.2985

Details

The XYZ color **33.7762, 19.5843, 1.9999** 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 **28.8926, 35.1568, 79.3912**, and the grayscale version is **12.7176, 13.3800, 14.5708**.

A 20% lighter version of the original color is **48.3010, 34.0770, 8.3067**, and **15.3098, 7.8925, 0.7165** is the 20% darker color. If you saturate the color by 10%, you get **33.7766, 19.5854, 2.0001**, and if you desaturate by 10%, it is **34.9294, 21.6453, 3.1424**.

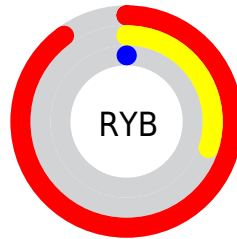
Distribution



Red (90%)

Green (22%)

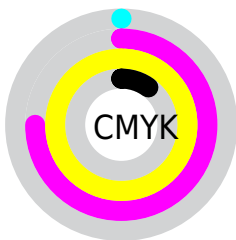
Blue (0%)



Red (90%)

Yellow (30%)

Blue (0%)

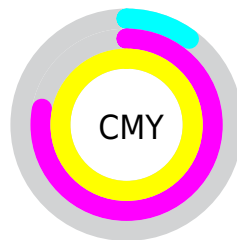


Cyan (0%)

Magenta (75%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (78%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7762, 19.5843, 1.9999 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 33.7762, 19.5843, 1.9999 by changing the saturation by 10% instead.

 33.7762, 19.5843,
1.9999


 33.7762, 19.5843,
1.9999


 310.7365,
249.6557, 122.3752


 22.8838, 12.0932,
0.5552

 64.9321, 42.7191,
9.0405

 14.6279, 6.8072,
0.0000


 85.9263, 59.1317,
15.5287

 8.6433, 3.3418,
0.0000


 111.0185, 79.2868,
24.5534

 4.5645, 1.3127,
0.0000

 140.5740,
103.5690, 36.5333

 2.0262, 0.1510,
0.0000

 174.9582,
132.3626, 51.8869


 0.6486, 0.0000,
0.0000


 214.5364,


 0.0000, 0.0000,


166.0520, 71.0327


0.0000


 259.6741,
205.0216, 94.3893


 33.7762, 19.5843,
1.9999


 33.7762, 19.5843,
1.9999


 33.7766, 19.5854,
2.0001

 34.9294, 21.6453,
3.1424

 36.5783, 24.4062,
5.3472

 38.8048, 27.9380,
8.9290

 41.6635, 32.2963,
14.0718

 45.2021, 37.5312,
20.9312

■ 49.4634, 43.6884,
29.6435

■ 54.4863, 50.8106,
40.3313

■ 60.3071, 58.9375,
53.1066

■ 66.9594, 68.1066,
68.0731

Harmonies

Analogous

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



40.8392, 19.5843, 11.0030



33.7762, 19.5843, 1.9999



23.5228, 19.5843, 0.1242

Triad

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



33.7762, 19.5843, 1.9999



6.4155, 19.5843, 10.8018



23.3946, 19.5843, 113.9906

Complementary

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



33.7762, 19.5843, 1.9999



28.8926, 35.1568, 79.3912

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.



14.4410, 19.5843, 113.7330



33.7762, 19.5843, 1.9999



6.4011, 19.5843, 36.6570

Square

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



33.7762, 19.5843, 1.9999



8.8925, 19.5843, 1.9527



8.8435, 19.5843, 78.7428



33.6567, 19.5843, 79.2945

Rectangle

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



33.7762, 19.5843, 1.9999



17.2010, 19.5843, 0.0000



8.8435, 19.5843, 78.7428



20.1029, 19.5843, 118.5480

Sweetspot

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



33.7766, 19.5855, 2.0002



69.4167, 64.6754, 51.2081



40.1064, 19.7753, 42.5528



14.2516, 12.9872, 9.6587



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.



33.7766, 19.5855, 2.0002



43.0446, 24.8692, 2.5315



46.3030, 44.6383, 6.1757



14.6670, 14.9480, 15.0167



19.3922, 11.3586, 1.1703



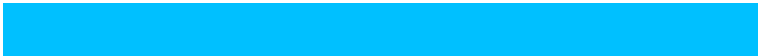
1.5053, 0.9840, 0.1106

Inverse Universe

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



28.8926, 35.1568, 79.3912



36.7929, 44.7059, 101.2976



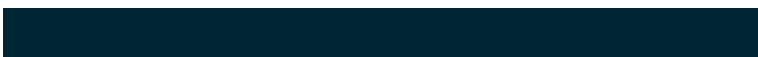
15.8151, 9.0018, 75.0320



14.4876, 15.6967, 18.4105



16.6195, 20.3011, 45.4257



1.3004, 1.6447, 3.3809

Previews

White Background



This preview shows how the XYZ color 33.7762, 19.5843, 1.9999 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



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 33.7762, 19.5843, 1.9999

Background



This preview shows how black text looks on a background with the XYZ color 33.7762, 19.5843, 1.9999.



This preview shows how white text looks on a background with the XYZ color 33.7762, 19.5843,

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

33.7762, 19.5843, 1.9999

Protanopia

17.7506, 19.6438, 3.8333

Deuteranopia

19.8789, 19.6911, 2.7530



Tritanopia

34.5721, 19.6355, 5.4579

Trichromacy



Original Color

33.7762, 19.5843, 1.9999

Protanomaly

21.3576, 17.6221, 2.8060

Deuteranomaly

23.3836, 18.1295, 2.2669

Tritanomaly

34.2410, 19.5768, 3.4874

Monochromacy



Original Color

33.7762, 19.5843, 1.9999

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

16.4947, 13.3331, 6.7052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7762, 19.5843, 1.9999 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, 57, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 57, 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, 57, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 57, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.7762, 19.5843, 1.9999 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, 57, 0) }
```


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

```
.border{ border-color:rgb(229, 57, 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, 57, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 57, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 57, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 57, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.7762, 19.5843, 1.9999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 57, 0) }
```

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

```
.background{ background-color: rgb(229, 57,  
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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