

Converting Colors

XYZ(33.5734, 19.1995, 4.9540)

Have a look what the booklet for
XYZ(33.5734, 19.1995, 4.9540)
contains.

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Color

**XYZ(33.5734, 19.1995,
4.9540)**

Conversions

Conversions Part 1

Format	Color
Hex	E33632
RGB	227, 54, 50
RGB Percent	89%, 21%, 20%
CMY	0.1098, 0.7882, 0.8039
CMYK	0.00, 0.76, 0.78, 0.11
HSL	1°, 76%, 54%
HSV	1°, 78%, 89%
XYZ	33.5734, 19.1995, 4.9540
YIQ	105.2710, 104.3920, 35.4320

Conversions

Conversions Part 2

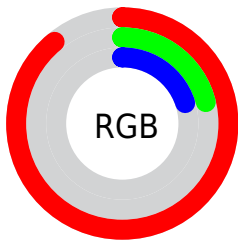
Format	Color
R_{YB}	227, 54, 50
Decimal	14890546
CIE Lab	50.92, 65.00, 43.98
CIE LCh	51, 78.479, 34.083
Yxy	19.1995, 0.5816, 0.3326
Android (android.graphics.Color)	4293080626 (0xFFE33632)
YUV	105.2710, -27.2486, 106.7563
Hunter-Lab	43.8172, 60.0891, 23.9687

Details

The XYZ color **33.5734, 19.1995, 4.9540** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **41.5644, 58.9921, 81.8683**, and the grayscale version is **13.5541, 14.2600, 15.5291**.

A 20% lighter version of the original color is **49.4619, 34.1765, 15.5451**, and **15.1317, 7.7975, 0.8511** is the 20% darker color. If you saturate the color by 10%, you get **32.3915, 17.4351, 2.7134**, and if you desaturate by 10%, it is **35.4692, 22.0042, 8.6293**.

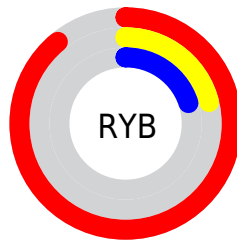
Distribution



Red (89%)

Green (21%)

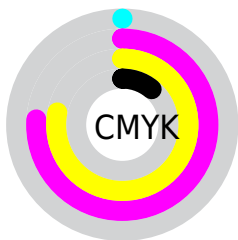
Blue (20%)



Red (89%)

Yellow (21%)

Blue (20%)

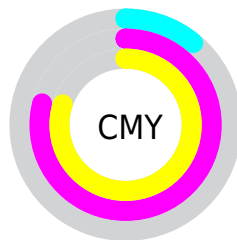


Cyan (0%)

Magenta (76%)

Yellow (78%)

Black (11%)



Cyan (11%)


Magenta (79%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5734, 19.1995, 4.9540 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 33.5734, 19.1995, 4.9540 by changing the saturation by 10% instead.


 33.5734, 19.1995,
4.9540


 33.5734, 19.1995,
4.9540


309.8451,
247.5479, 158.3027


 22.7274, 11.8145,
2.1620


 64.6184, 42.0709,
16.1562

 14.5119, 6.6175,
0.6523


 85.5482, 58.3262,
25.4036

 8.5617, 3.2241,
0.0000


 110.5699, 78.3070,
37.6398

 4.5112, 1.2498,
0.0000

 140.0489,
102.3977, 53.2834

 1.9952, 0.1018,
0.0000

 174.3505,
130.9828, 72.7529

 0.6313, 0.0000,
0.0000

 213.8402,

 0.0000, 0.0000,

164.4466, 96.4670

0.0000

258.8833,
203.1735, 124.8441

■ 33.5734, 19.1995,
4.9540

■ 33.5734, 19.1995,
4.9540

■ 32.3915, 17.4351,
2.7134

■ 35.4692, 22.0042,
8.6293

■ 31.8081, 16.5502,
1.6502


■ 38.1658, 25.9717,
13.9237


■ 31.7341, 16.4425,
1.5011


■ 41.7395, 31.2115,
20.9954


■ 46.2569, 37.8193,
29.9834

■ 51.7784, 45.8817,
41.0130

 58.3595, 55.4783,
54.1987

 66.0513, 66.6828,
69.6467

 74.9019, 79.5641,
87.4562

 84.9565, 94.1872,
107.7204

Harmonies

Analogous

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



37.5022, 19.1995, 18.0122



33.5734, 19.1995, 4.9540



25.5633, 19.1995, 1.2232

Triad

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



33.5734, 19.1995, 4.9540



7.8626, 19.1995, 7.2542



19.3299, 19.1995, 98.8508

Complementary

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



33.5734, 19.1995, 4.9540



41.5644, 58.9921, 81.8683

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.



12.4820, 19.1995, 87.5317



33.5734, 19.1995, 4.9540



7.0587, 19.1995, 24.0921

Square

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



33.5734, 19.1995, 4.9540



11.1095, 19.1995, 1.7405



8.4833, 19.1995, 55.0801



27.9329, 19.1995, 79.8754

Rectangle

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



33.5734, 19.1995, 4.9540



19.8274, 19.1995, 0.6804



8.4833, 19.1995, 55.0801



16.7558, 19.1995, 98.5161

Sweetspot

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



33.5738, 19.2007, 4.9543



71.3646, 65.5034, 61.3158



46.2801, 23.9965, 72.7485



14.6302, 13.0800, 11.8330



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.



33.5738, 19.2007, 4.9543



41.5917, 21.8220, 2.4832



41.8454, 35.7438, 7.7115



14.4031, 14.4200, 14.9287



18.5190, 9.6121, 0.8793



1.3778, 0.7289, 0.0681

Inverse Universe

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



41.5644, 58.9921, 81.8683



52.3027, 75.4256, 106.4097



23.9214, 23.7060, 75.9873



14.7780, 16.2773, 18.5073



23.3099, 33.6819, 47.6559



1.7315, 2.5069, 3.5246

Previews

White Background



This preview shows how the XYZ color 33.5734, 19.1995, 4.9540 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 33.5734, 19.1995, 4.9540 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 33.5734, 19.1995, 4.9540

Background



This preview shows how black text looks on a background with the XYZ color 33.5734, 19.1995, 4.9540.



This preview shows how white text looks on a background with the XYZ color 33.5734, 19.1995,

4.9540.

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

33.5734, 19.1995, 4.9540

Protanopia

17.8965, 19.4296, 8.6014

Deuteranopia

19.7162, 19.3967, 4.4550



Tritanopia

33.6412, 19.1529, 5.5382

Trichromacy



Original Color

33.5734, 19.1995, 4.9540

Protanomaly

21.3203, 17.2331, 6.9052

Deuteranomaly

23.1547, 17.6992, 4.3864

Tritanomaly

33.5943, 19.1341, 5.2908

Monochromacy



Original Color

33.5734, 19.1995, 4.9540

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

17.3619, 13.7010, 10.3238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5734, 19.1995, 4.9540 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(227, 54, 50)` looks like.

```
.text, #text, p{  
    color:rgb(227, 54, 50)  
}
```

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(227, 54, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 54, 50) }
```

Border

The CSS property to change the border of an element to XYZ 33.5734, 19.1995, 4.9540 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(227, 54, 50) }
```


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

```
.border{ border-color:rgb(227, 54, 50) }
```

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

Here you see how a box with a 4 pixel rgb(227, 54, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 54, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 54, 50);  
box-shadow:4px 4px 4px 4px rgb(227, 54,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5734, 19.1995, 4.9540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 54, 50) }
```

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

```
.background{ background-color: rgb(227, 54,  
50) }
```

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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