

Converting Colors

XYZ(34.1945, 19.3641, 4.9491)

Have a look what the booklet for
XYZ(34.1945, 19.3641, 4.9491)
contains.

XYZ(34.1168, 19.3443, 4.9533)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.1168, 19.3443,
4.9533)**

Conversions

Conversions Part 1

Format	Color
Hex	E53432
RGB	229, 52, 50
RGB Percent	90%, 20%, 20%
CMY	0.1020, 0.7960, 0.8039
CMYK	0.00, 0.77, 0.78, 0.10
HSL	1°, 77%, 55%
HSV	1°, 78%, 90%
XYZ	34.1168, 19.3443, 4.9533
YIQ	104.6950, 106.1340, 36.9020

Conversions

Conversions Part 2

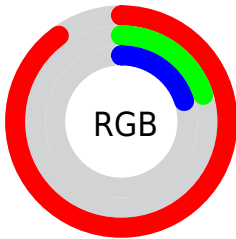
Format	Color
R_{YB}	229, 52, 50
Decimal	15021106
CIE Lab	51.09, 66.17, 44.27
CIE LCh	51, 79.616, 33.785
Yxy	19.3443, 0.5840, 0.3312
Android (android.graphics.Color)	4293211186 (0xFFE53432)
YUV	104.6950, -26.9646, 109.0155
Hunter-Lab	43.9822, 61.4930, 24.1102

Details

The XYZ color **34.1168, 19.3443, 4.9533** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **42.9232, 61.2653, 83.6912**, and the grayscale version is **13.3969, 14.0946, 15.3490**.

A 20% lighter version of the original color is **49.3497, 33.9521, 15.5077**, and **15.5444, 8.0103, 0.8704** is the 20% darker color. If you saturate the color by 10%, you get **32.9604, 17.6346, 2.7097**, and if you desaturate by 10%, it is **36.0050, 22.1234, 8.6587**.

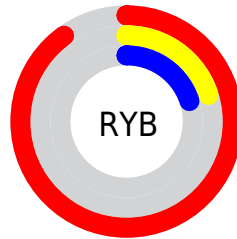
Distribution



Red (90%)

Green (20%)

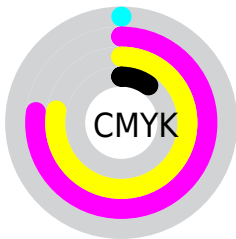
Blue (20%)



Red (90%)

Yellow (20%)

Blue (20%)

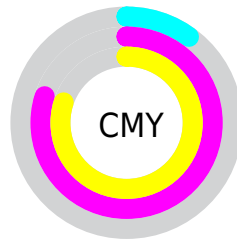


Cyan (0%)

Magenta (77%)

Yellow (78%)

Black (10%)



Cyan (10%)


Magenta (80%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1168, 19.3443, 4.9533 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 34.1168, 19.3443, 4.9533 by changing the saturation by 10% instead.


 34.1168, 19.3443,
4.9533

 34.1168, 19.3443,
4.9533


312.2293,
248.3430, 158.2957

 23.1467, 11.9193,
2.1616


 65.4583, 42.3151,
16.1547


 14.8231, 6.6888,
0.6521


 86.5605, 58.6297,
25.4015


 8.7809, 3.2682,
0.0000


 111.7706, 78.6763,
37.6371

 4.6545, 1.2733,
0.0000

 141.4541,
102.8392, 53.2800

 2.0786, 0.1204,
0.0000

 175.9764,
131.5030, 72.7487

 0.6776, 0.0000,
0.0000

 215.7028,

 0.0000, 0.0000,

165.0519, 96.4619

0.0000

260.9986,
203.8705, 124.8381

■ 34.1168, 19.3443,
4.9533

■ 34.1168, 19.3443,
4.9533

■ 32.9604, 17.6346,
2.7097

■ 36.0050, 22.1234,
8.6587

■ 32.4089, 16.8132,
1.6578


■ 38.7174, 26.1036,
14.0161


■ 32.3408, 16.7138,
1.5215

■ 42.3341, 31.4015,
21.1885


■ 46.9255, 38.1191,
30.3187

■ 52.5549, 46.3483,
41.5355

 59.2805, 56.1731,
54.9568

 67.1560, 67.6718,
70.6915

 76.2317, 80.9170,
88.8415

 86.1228, 95.3979,
108.4822

Harmonies

Analogous

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



38.0838, 19.3443, 18.3203



34.1168, 19.3443, 4.9533



25.9438, 19.3443, 1.1786

Triad

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



34.1168, 19.3443, 4.9533



7.8500, 19.3443, 7.0995



19.4069, 19.3443, 101.0908

Complementary

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



34.1168, 19.3443, 4.9533



42.9232, 61.2653, 83.6912

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.



12.4604, 19.3443, 89.1364



34.1168, 19.3443, 4.9533



7.0146, 19.3443, 24.0659

Square

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



34.1168, 19.3443, 4.9533



11.1683, 19.3443, 1.6505



8.4322, 19.3443, 55.6859



28.1898, 19.3443, 81.8344

Rectangle

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



34.1168, 19.3443, 4.9533



20.0799, 19.3443, 0.6246



8.4322, 19.3443, 55.6859



16.7905, 19.3443, 100.6339

Sweetspot

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



34.1172, 19.3455, 4.9536



71.2122, 65.1985, 61.2649



47.5962, 24.5962, 76.3671



14.5947, 13.0090, 11.8212



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.



34.1172, 19.3455, 4.9536



41.5446, 21.7279, 2.4675



42.1938, 35.4985, 7.6458



14.3900, 14.3938, 14.9243



18.4968, 9.5678, 0.8719



1.3715, 0.7163, 0.0660

Inverse Universe

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



42.9232, 61.2653, 83.6912



53.1576, 77.1354, 106.6947



24.7634, 24.9456, 77.6379



14.7928, 16.3071, 18.5122



23.7081, 34.4783, 47.7886



1.7564, 2.5568, 3.5329

Previews

White Background



This preview shows how the XYZ color 34.1168, 19.3443, 4.9533 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 34.1168, 19.3443, 4.9533 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 34.1168, 19.3443, 4.9533

Background



This preview shows how black text looks on a background with the XYZ color 34.1168, 19.3443, 4.9533.



This preview shows how white text looks on a background with the XYZ color 34.1168, 19.3443,

4.9533.

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

34.1168, 19.3443, 4.9533

Protanopia

17.9284, 19.4423, 8.7691

Deuteranopia

19.7007, 19.3905, 4.3735



Tritanopia

34.1837, 19.3710, 5.3055

Trichromacy



Original Color

34.1168, 19.3443, 4.9533

Protanomaly

21.5341, 17.3433, 6.9152

Deuteranomaly

23.3706, 17.8126, 4.3042

Tritanomaly

34.1609, 19.3619, 5.1856

Monochromacy



Original Color

34.1168, 19.3443, 4.9533

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

17.5452, 13.7955, 10.3324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1168, 19.3443, 4.9533 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, 52, 50)` looks like.

```
.text, #text, p{  
    color:rgb(229, 52, 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(229, 52, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 52, 50) }
```

Border

The CSS property to change the border of an element to XYZ 34.1168, 19.3443, 4.9533 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, 52, 50) }
```


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

```
.border{ border-color:rgb(229, 52, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 52, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 52, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 52, 50);  
box-shadow:4px 4px 4px 4px rgb(229, 52,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1168, 19.3443, 4.9533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 52, 50) }
```

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

```
.background{ background-color: rgb(229, 52,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor