

Converting Colors

XYZ(35.3290, 19.8337, 4.7053)

Have a look what the booklet for
XYZ(35.3290, 19.8337, 4.7053)
contains.

XYZ(35.2580, 19.8101, 4.6547)	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(35.2580, 19.8101,
4.6547)**

Conversions

Conversions Part 1

Format	Color
Hex	E9322F
RGB	233, 50, 47
RGB Percent	91%, 20%, 18%
CMY	0.0863, 0.8039, 0.8157
CMYK	0.00, 0.79, 0.80, 0.09
HSL	1°, 81%, 55%
HSV	1°, 80%, 91%
XYZ	35.2580, 19.8101, 4.6547
YIQ	104.3750, 110.0310, 37.8630

Conversions

Conversions Part 2

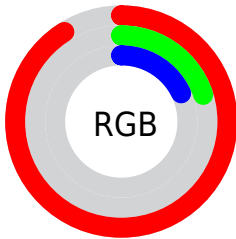
Format	Color
R_{YB}	233, 50, 47
Decimal	15282735
CIE _{Lab}	51.62, 67.79, 46.66
CIE _{LCh}	52, 82.293, 34.539
Yxy	19.8101, 0.5904, 0.3317
Android (android.graphics.Color)	4293472815 (0xFFE9322F)
YUV	104.3750, -28.2859, 112.8041
Hunter-Lab	44.5085, 63.5111, 24.9554

Details

The XYZ color **35.2580, 19.8101, 4.6547** 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 **44.1725, 63.0722, 86.9363**, and the grayscale version is **13.3134, 14.0067, 15.2533**.

A 20% lighter version of the original color is **49.2107, 33.8965, 14.7755**, and **16.1539, 8.3270, 0.7846** is the 20% darker color. If you saturate the color by 10%, you get **34.1599, 18.1764, 2.5559**, and if you desaturate by 10%, it is **37.0975, 22.5265, 8.2369**.

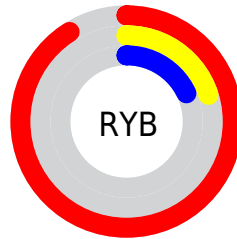
Distribution



Red (91%)

Green (20%)

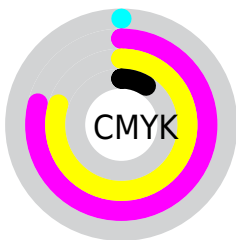
Blue (18%)



Red (91%)

Yellow (20%)

Blue (18%)

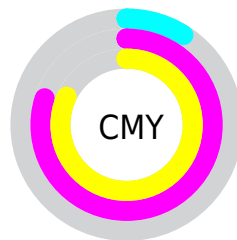


Cyan (0%)

Magenta (79%)

Yellow (80%)

Black (9%)



Cyan (9%)


Magenta (80%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.2580, 19.8101, 4.6547 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 35.2580, 19.8101, 4.6547 by changing the saturation by 10% instead.


 35.2580, 19.8101,
4.6547

 35.2580, 19.8101,
4.6547

317.1938,
250.8852, 155.2459


 24.0291, 12.2571,
1.9910


 67.2167, 43.0986,
15.4936

 15.4801, 6.9190,
0.5497


 88.6771, 59.6028,
24.5058

 9.2455, 3.4115,
0.0000


 114.2789, 79.8596,
36.4712

 4.9601, 1.3502,
0.0000

 144.3872,
104.2533, 51.8085

 2.2584, 0.1795,
0.0000

 179.3675,
133.1683, 70.9360

 0.7732, 0.0000,
0.0000

 219.5852,

 0.0000, 0.0000,

166.9890, 94.2724

0.0000

265.4054,
206.0999, 122.2362

■ 35.2580, 19.8101,
4.6547

■ 35.2580, 19.8101,
4.6547

■ 34.1599, 18.1764,
2.5559

■ 37.0975, 22.5265,
8.2369

■ 33.6515, 17.4150,
1.5993


■ 39.7767, 26.4648,
13.5076


■ 33.6451, 17.4055,
1.5863


■ 43.3800, 31.7474,
20.6403


■ 47.9815, 38.4811,
29.7870

■ 53.6477, 46.7616,
41.0840

 60.4393, 56.6768,
54.6557

 68.4124, 68.3078,
70.6170

 77.6196, 81.7303,
89.0750

 87.4141, 96.0635,
108.5426

Harmonies

Analogous

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



39.6212, 19.8101, 18.1531



35.2580, 19.8101, 4.6547



26.5506, 19.8101, 1.0293

Triad

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



35.2580, 19.8101, 4.6547



7.7884, 19.8101, 7.2902



20.1195, 19.8101, 106.6507

Complementary

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



35.2580, 19.8101, 4.6547



44.1725, 63.0722, 86.9363

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.



12.7714, 19.8101, 94.6712



35.2580, 19.8101, 4.6547



6.9856, 19.8101, 25.3904

Square

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



35.2580, 19.8101, 4.6547



11.1570, 19.8101, 1.5819



8.5103, 19.8101, 59.2115



29.3957, 19.8101, 85.3077

Rectangle

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



35.2580, 19.8101, 4.6547



20.3877, 19.8101, 0.4953



8.5103, 19.8101, 59.2115



17.3517, 19.8101, 106.4651

Sweetspot

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



35.2584, 19.8113, 4.6550



70.4237, 64.0832, 59.5788



49.3285, 25.2397, 79.3622



14.4467, 12.8011, 11.4999



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.



35.2584, 19.8113, 4.6550



41.4552, 21.6010, 2.2774



43.4952, 36.2849, 7.4006



15.0851, 15.0931, 15.6369



19.0996, 9.8935, 0.9030



1.5067, 0.7907, 0.0732

Inverse Universe

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



44.1725, 63.0722, 86.9363



52.6846, 76.2997, 106.5583



25.2582, 25.2436, 80.6316



15.4955, 17.0775, 19.4018



24.2889, 35.2247, 49.2619



1.9140, 2.7794, 3.8705

Previews

White Background



This preview shows how the XYZ color 35.2580, 19.8101, 4.6547 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 35.2580, 19.8101, 4.6547 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 35.2580, 19.8101, 4.6547

Background



This preview shows how black text looks on a background with the XYZ color 35.2580, 19.8101, 4.6547.



This preview shows how white text looks on a background with the XYZ color 35.2580, 19.8101,

4.6547.

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

35.2580, 19.8101, 4.6547

Protanopia

18.4044, 20.0669, 8.3721

Deuteranopia

20.1262, 19.7901, 4.0554



Tritanopia

35.3206, 19.8351, 4.9846

Trichromacy



Original Color

35.2580, 19.8101, 4.6547

Protanomaly

21.8849, 17.5336, 6.5058

Deuteranomaly

23.7767, 18.0296, 3.9771

Tritanomaly

35.2993, 19.8266, 4.8722

Monochromacy



Original Color

35.2580, 19.8101, 4.6547

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

17.4942, 13.5445, 9.8759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2580, 19.8101, 4.6547 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(233, 50, 47)` looks like.

```
.text, #text, p{  
    color:rgb(233, 50, 47)  
}
```

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(233, 50, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 50, 47) }
```

Border

The CSS property to change the border of an element to XYZ 35.2580, 19.8101, 4.6547 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(233, 50, 47) }
```


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

```
.border{ border-color:rgb(233, 50, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 50, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 50, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 50, 47);  
box-shadow:4px 4px 4px 4px rgb(233, 50,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2580, 19.8101, 4.6547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 50, 47) }
```

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

```
.background{ background-color: rgb(233, 50,  
47) }
```

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