

Converting Colors

XYZ(34.7568, 20.1443, 6.2295)

Have a look what the booklet for
XYZ(34.7568, 20.1443, 6.2295)
contains.

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Color

**XYZ(34.6665, 20.1017,
6.1906)**

Conversions

Conversions Part 1

Format	Color
Hex	E53B3B
RGB	229, 59, 59
RGB Percent	90%, 23%, 23%
CMY	0.1020, 0.7686, 0.7686
CMYK	0.00, 0.74, 0.74, 0.10
HSL	0°, 77%, 56%
HSV	0°, 74%, 90%
XYZ	34.6665, 20.1017, 6.1906
YIQ	109.8300, 101.3200, 36.0400

Conversions

Conversions Part 2

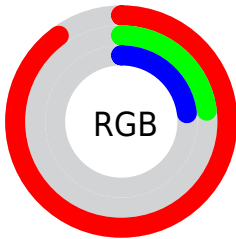
Format	Color
R_{YB}	229, 59, 59
Decimal	15022907
CIE _{Lab}	51.95, 64.34, 40.25
CIE _{LCh}	52, 75.898, 32.030
Yxy	20.1017, 0.5687, 0.3298
Android (android.graphics.Color)	4293212987 (0xFFE53B3B)
YUV	109.8300, -25.0592, 104.5121
Hunter-Lab	44.8349, 59.5556, 23.1980

Details

The XYZ color **34.6665, 20.1017, 6.1906** 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 **43.9624, 62.6188, 83.8979**, and the grayscale version is **14.8229, 15.5949, 16.9828**.

A 20% lighter version of the original color is **50.4907, 35.5152, 18.1039**, and **15.6106, 8.0367, 1.2187** is the 20% darker color. If you saturate the color by 10%, you get **33.2672, 18.0546, 3.4087**, and if you desaturate by 10%, it is **36.8427, 23.2868, 10.5159**.

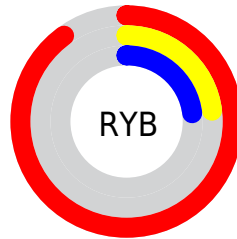
Distribution



Red (90%)

Green (23%)

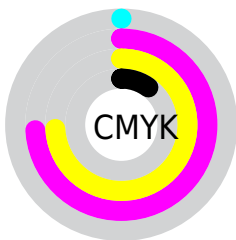
Blue (23%)



Red (90%)

Yellow (23%)

Blue (23%)

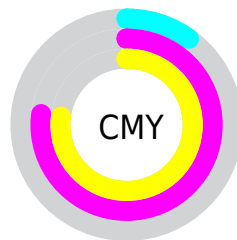


Cyan (0%)

Magenta (74%)

Yellow (74%)

Black (10%)



Cyan (10%)

Magenta (77%)

Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6665, 20.1017, 6.1906 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 34.6665, 20.1017, 6.1906 by changing the saturation by 10% instead.


 34.6665, 20.1017,
6.1906


 34.6665, 20.1017,
6.1906


314.6277,
252.4651, 170.1251


 23.5714, 12.4690,
2.8907


 66.3062, 43.5876,
18.8097

 15.1390, 7.0639,
1.0391


 87.5816, 60.2096,
28.9659


 9.0039, 3.5021,
0.0000


 112.9810, 80.5969,
42.2447

 4.8009, 1.3992,
0.0000

 142.8700,
105.1337, 59.0645

 2.1645, 0.2161,
0.0000

 177.6138,
134.2046, 79.8439

 0.7239, 0.0000,
0.0000

 217.5777,

 0.0000, 0.0000,

168.1938, 105.0014

0.0000

263.1273,
207.4859, 134.9557

■ 34.6665, 20.1017,
6.1906

■ 34.6665, 20.1017,
6.1906

■ 33.2672, 18.0546,
3.4087

■ 36.8427, 23.2868,
10.5159

■ 32.5335, 16.9809,
1.9505


■ 39.8846, 27.7381,
16.5628


■ 32.3131, 16.6582,
1.5123


■ 43.8706, 33.5707,
24.4865


■ 48.8697, 40.8859,
34.4245

■ 54.9448, 49.7754,
46.5014

 62.1533, 60.3235,
60.8317

 70.5489, 72.6086,
77.5220

 80.1816, 86.7039,
96.6718

 86.1229, 95.3979,
108.4822

Harmonies

Analogous

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



38.1253, 20.1017, 20.4147



34.6665, 20.1017, 6.1906



26.9530, 20.1017, 1.7142

Triad

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



34.6665, 20.1017, 6.1906



8.7613, 20.1017, 7.3847



19.6371, 20.1017, 97.8592

Complementary

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



34.6665, 20.1017, 6.1906



43.9624, 62.6188, 83.8979

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.



12.9523, 20.1017, 85.0505



34.6665, 20.1017, 6.1906



7.7747, 20.1017, 23.4291

Square

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



34.6665, 20.1017, 6.1906



12.2617, 20.1017, 2.0051



9.0779, 20.1017, 53.0868



28.1157, 20.1017, 81.3800

Rectangle

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



34.6665, 20.1017, 6.1906



21.2403, 20.1017, 1.0079



9.0779, 20.1017, 53.0868



17.1198, 20.1017, 96.8203

Sweetspot

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



34.6670, 20.1029, 6.1909



71.9385, 66.1815, 62.9547



48.0197, 25.4430, 76.5084



14.8973, 13.4332, 12.4799



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.



34.6670, 20.1029, 6.1909



41.8670, 22.1777, 3.1758



43.0756, 36.9203, 8.9938



14.3771, 14.3682, 14.9200



18.4752, 9.5245, 0.8647



1.3653, 0.7039, 0.0639

Inverse Universe

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



43.9624, 62.6188, 83.8979



54.2853, 78.9777, 106.9908



25.9197, 26.5335, 77.8836



14.8074, 16.3363, 18.5171



24.1038, 35.2697, 47.9205



1.7812, 2.6064, 3.5412

Previews

White Background



This preview shows how the XYZ color 34.6665, 20.1017, 6.1906 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 34.6665, 20.1017, 6.1906 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 34.6665, 20.1017, 6.1906

Background



This preview shows how black text looks on a background with the XYZ color 34.6665, 20.1017, 6.1906.



This preview shows how white text looks on a background with the XYZ color 34.6665, 20.1017,

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

34.6665, 20.1017, 6.1906

Protanopia

18.6473, 20.1454, 10.4950

Deuteranopia

20.5295, 20.1388, 5.6015



Tritanopia

34.7194, 20.1229, 6.4691

Trichromacy



Original Color

34.6665, 20.1017, 6.1906

Protanomaly

22.0891, 18.0172, 8.4443

Deuteranomaly

24.1859, 18.7424, 5.5917

Tritanomaly

34.6927, 20.1122, 6.3285

Monochromacy



Original Color

34.6665, 20.1017, 6.1906

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

18.7663, 15.0098, 11.8056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6665, 20.1017, 6.1906 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, 59, 59)` looks like.

```
.text, #text, p{  
    color:rgb(229, 59, 59)  
}
```

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, 59, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 59, 59) }
```

Border

The CSS property to change the border of an element to XYZ 34.6665, 20.1017, 6.1906 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, 59, 59) }
```


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

```
.border{ border-color:rgb(229, 59, 59) }
```

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

Here you see how a box with a 4 pixel rgb(229, 59, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 59, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 59, 59);  
box-shadow:4px 4px 4px 4px rgb(229, 59,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6665, 20.1017, 6.1906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 59, 59) }
```

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

```
.background{ background-color: rgb(229, 59,  
59) }
```

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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