

Converting Colors

XYZ(33.2733, 20.9160, 9.2596)

Have a look what the booklet for
XYZ(33.2733, 20.9160, 9.2596)
contains.

XYZ(33.2068, 20.9036, 9.3058)	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(33.2068, 20.9036,
9.3058)**

Conversions

Conversions Part 1

Format	Color
Hex	DB4D4D
RGB	219, 77, 77
RGB Percent	86%, 30%, 30%
CMY	0.1412, 0.6980, 0.6980
CMYK	0.00, 0.65, 0.65, 0.14
HSL	0°, 66%, 58%
HSV	0°, 65%, 86%
XYZ	33.2068, 20.9036, 9.3058
YIQ	119.4580, 84.6320, 30.1040

Conversions

Conversions Part 2

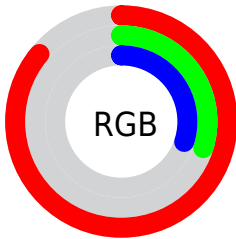
Format	Color
RYB	219, 77, 77
Decimal	14372173
CIELab	52.84, 55.41, 30.60
CIElCh	53, 63.301, 28.907
Yxy	20.9036, 0.5236, 0.3296
Android (android.graphics.Color)	4292562253 (0xFFDB4D4D)
YUV	119.4580, -20.9318, 87.2983
Hunter-Lab	45.7205, 49.6339, 19.9366

Details

The XYZ color **33.2068, 20.9036, 9.3058** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **41.1760, 57.3507, 75.9169**, and the grayscale version is **17.7264, 18.6495, 20.3093**.

A 20% lighter version of the original color is **53.2572, 39.2689, 24.5114**, and **14.2660, 7.4516, 2.1252** is the 20% darker color. If you saturate the color by 10%, you get **31.2766, 18.0796, 5.4684**, and if you desaturate by 10%, it is **35.9137, 24.8651, 14.6861**.

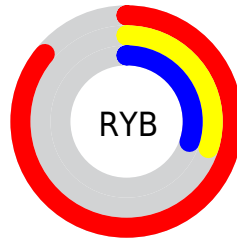
Distribution



Red (86%)

Green (30%)

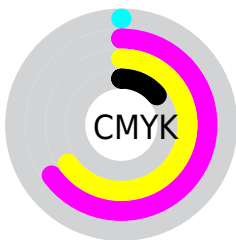
Blue (30%)



Red (86%)

Yellow (30%)

Blue (30%)

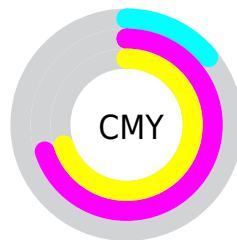


Cyan (0%)

Magenta (65%)

Yellow (65%)

Black (14%)



Cyan (14%)


Magenta (70%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2068, 20.9036, 9.3058 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 33.2068, 20.9036, 9.3058 by changing the saturation by 10% instead.


 33.2068, 20.9036,
9.3058


 33.2068, 20.9036,
9.3058

308.2291,
256.7657, 195.9443

 22.4449, 13.0536,
4.8416


 64.0508, 44.9270,
25.0684

 14.3026, 7.4654,
2.0975


 84.8636, 61.8692,
37.2039

 8.4145, 3.7548,
0.6143

 109.7574, 82.6109,
52.7337

 4.4154, 1.5374,
0.0000

 139.0976,
107.5365, 72.0761

 1.9397, 0.3148,
0.0000

 173.2495,
137.0304, 95.6499

 0.5997, 0.0000,
0.0000

212.5785,

 0.0000, 0.0000,

171.4770, 123.8735

0.0000

257.4499,
211.2606, 157.1655

■ 33.2068, 20.9036,
9.3058

■ 33.2068, 20.9036,
9.3058

■ 31.2766, 18.0796,
5.4684

■ 35.9137, 24.8651,
14.6861

■ 30.0403, 16.2704,
3.0108

■ 39.4660, 30.0633,
21.7478

■ 29.3987, 15.3314,
1.7356

■ 43.9267, 36.5905,
30.6153

■ 29.2133, 15.0602,
1.3672

■ 49.3522, 44.5295,
41.4009

■ 55.7944, 53.9563,
54.2077

■ 63.3015, 64.9413,
69.1317

■ 71.9186, 77.5506,
86.2625

■ 81.6884, 91.8464,
105.6846

■ 83.0232, 93.8000,
108.3372

Harmonies

Analogous

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



35.4849, 20.9036, 23.4619



33.2068, 20.9036, 9.3058



27.1844, 20.9036, 3.6504

Triad

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



33.2068, 20.9036, 9.3058



10.8479, 20.9036, 8.6589



19.6268, 20.9036, 82.0314

Complementary

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



33.2068, 20.9036, 9.3058



41.1760, 57.3507, 75.9169

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.



13.9988, 20.9036, 70.3519



33.2068, 20.9036, 9.3058



9.6743, 20.9036, 22.0731

Square

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



33.2068, 20.9036, 9.3058



14.3339, 20.9036, 3.4493



10.6868, 20.9036, 45.2908



26.6701, 20.9036, 71.8356

Rectangle

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



33.2068, 20.9036, 9.3058



22.4163, 20.9036, 2.4650



10.6868, 20.9036, 45.2908



17.5210, 20.9036, 80.4579

Sweetspot

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



33.2073, 20.9048, 9.3061



74.6521, 70.1522, 68.3496



44.6532, 25.4823, 69.5824



15.4242, 14.2041, 13.5274



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.



33.2073, 20.9048, 9.3061



43.3758, 24.3857, 6.1750



41.1427, 36.7756, 11.9513



13.0562, 13.0517, 13.5567



17.3223, 8.9301, 0.8107



1.1222, 0.5786, 0.0525

Inverse Universe

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



41.1760, 57.3507, 75.9169



55.4429, 79.5764, 107.0454



26.4366, 27.8721, 71.0038



13.4449, 14.8295, 16.8059



22.6001, 33.0696, 44.9303



1.4642, 2.1425, 2.9108

Previews

White Background



This preview shows how the XYZ color 33.2068, 20.9036, 9.3058 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 33.2068, 20.9036, 9.3058 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 33.2068, 20.9036, 9.3058

Background



This preview shows how black text looks on a background with the XYZ color 33.2068, 20.9036, 9.3058.



This preview shows how white text looks on a background with the XYZ color 33.2068, 20.9036,

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

33.2068, 20.9036, 9.3058

Protanopia

19.6102, 20.9357, 14.3167

Deuteranopia

21.4604, 21.0855, 8.7332



Tritanopia

33.2831, 20.8230, 10.0496

Trichromacy



Original Color

33.2068, 20.9036, 9.3058

Protanomaly

22.9339, 19.5703, 12.2416

Deuteranomaly

24.6143, 20.0492, 8.8759

Tritanomaly

33.2458, 20.8081, 9.8535

Monochromacy



Original Color

33.2068, 20.9036, 9.3058

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

20.9666, 17.8687, 15.4406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2068, 20.9036, 9.3058 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(219, 77, 77)` looks like.

```
.text, #text, p{  
    color:rgb(219, 77, 77)  
}
```

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(219, 77, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 77, 77) }
```

Border

The CSS property to change the border of an element to XYZ 33.2068, 20.9036, 9.3058 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(219, 77, 77) }
```


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

```
.border{ border-color:rgb(219, 77, 77) }
```

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

Here you see how a box with a 4 pixel rgb(219, 77, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 77, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 77, 77);  
box-shadow:4px 4px 4px 4px rgb(219, 77,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2068, 20.9036, 9.3058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 77, 77) }
```

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

```
.background{ background-color: rgb(219, 77,  
77) }
```

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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