

Converting Colors

XYZ(33.4155, 17.2124, 2.1928)

Have a look what the booklet for
XYZ(33.4155, 17.2124, 2.1928)
contains.

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Color

**XYZ(33.3963, 17.2028,
2.1764)**

Conversions

Conversions Part 1

Format	Color
Hex	E80013
RGB	232, 0, 19
RGB Percent	91%, 0%, 7%
CMY	0.0902, 0.9998, 0.9255
CMYK	0.00, 1.00, 0.92, 0.09
HSL	355°, 100%, 46%
HSV	355°, 100%, 91%
XYZ	33.3963, 17.2028, 2.1764
YIQ	71.5340, 132.1730, 55.0930

Conversions

Conversions Part 2

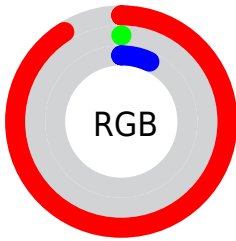
Format	Color
R_{YB}	232, 0, 19
Decimal	15204371
CIE _{Lab}	48.51, 74.74, 56.95
CIE _{LCh}	49, 93.969, 37.307
Yxy	17.2028, 0.6328, 0.3260
Android (android.graphics.Color)	4293394451 (0xFFE80013)
YUV	71.5340, -25.8993, 140.7287
Hunter-Lab	41.4763, 71.1431, 25.9222

Details

The XYZ color **33.3963, 17.2028, 2.1764** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **40.8741, 62.5200, 72.8993**, and the grayscale version is **6.1119, 6.4302, 7.0025**.

A 20% lighter version of the original color is **46.1105, 29.3316, 8.7001**, and **15.7259, 8.1070, 0.7360** is the 20% darker color. If you saturate the color by 10%, you get **33.3956, 17.2026, 2.1742**, and if you desaturate by 10%, it is **33.9782, 17.9339, 3.7056**.

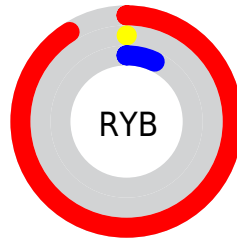
Distribution



Red (91%)

Green (0%)

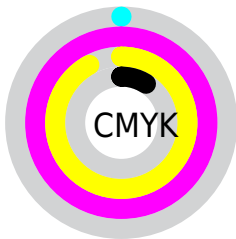
Blue (7%)



Red (91%)

Yellow (0%)

Blue (7%)

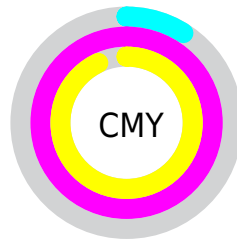


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (9%)



Cyan (9%)


Magenta (100%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3963, 17.2028, 2.1764 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 33.3963, 17.2028, 2.1764 by changing the saturation by 10% instead.


 33.3963, 17.2028,
2.1764


 33.3963, 17.2028,
2.1764

309.0652,
236.3384, 125.0584


 22.5909, 10.3792,
0.6607


 64.3443, 38.6741,
9.5177


 14.4108, 5.6511,
0.0000


 85.2176, 54.0906,
16.2111


 8.4905, 2.6341,
0.0000


 110.1776, 73.1402,
25.4778

 4.4648, 0.9438,
0.0000

 139.5896, 96.2073,
37.7362

 1.9683, 0.0000,
0.0000

 173.8191,
123.6763, 53.4049


 0.6161, 0.0000,
0.0000


 213.2312,


 0.0000, 0.0000,


155.9315, 72.9025


0.0000


 258.1915,
193.3574, 96.6475


 33.3963, 17.2028,
2.1764


 33.3963, 17.2028,
2.1764


 33.3956, 17.2026,
2.1742

 33.9782, 17.9339,
3.7056

 35.1322, 19.4889,
6.4117

 37.0052, 22.1161,
10.4850

 39.6900, 25.9628,
16.0749

 43.2655, 31.1531,
23.3113

■ 47.8011, 37.7959,
32.3099

■ 53.3595, 45.9889,
43.1761

■ 59.9978, 55.8212,
56.0072

■ 67.7691, 67.3754,
70.8933

Harmonies

Analogous

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



38.9184, 17.2028, 13.3184



33.3963, 17.2028, 2.1764



23.6154, 17.2028, 0.0000

Triad

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



33.3963, 17.2028, 2.1764



5.3303, 17.2028, 5.7373



18.5510, 17.2028, 116.2938

Complementary

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



33.3963, 17.2028, 2.1764



40.8741, 62.5200, 72.8993

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.



10.7534, 17.2028, 105.5324



33.3963, 17.2028, 2.1764



4.8046, 17.2028, 25.4411

Square

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



33.3963, 17.2028, 2.1764



8.2214, 17.2028, 0.6224



6.3926, 17.2028, 64.7501



28.5953, 17.2028, 87.5452

Rectangle

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



33.3963, 17.2028, 2.1764



17.1419, 17.2028, 0.0000



6.3926, 17.2028, 64.7501



15.5844, 17.2028, 117.4228

Sweetspot

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



33.3967, 17.2039, 2.1766



65.9905, 56.7923, 53.2440



41.9111, 19.9243, 77.9803



13.4679, 11.1864, 10.1166



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.



33.3967, 17.2039, 2.1766



41.3738, 21.3135, 2.6345



37.5257, 25.6496, 2.9746



14.4245, 14.3870, 15.1700



18.5583, 9.5575, 1.3031



1.3881, 0.7129, 0.1841

Inverse Universe

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



33.3967, 17.2039, 2.1766



41.3738, 21.3135, 2.6345



23.2798, 23.2539, 79.6050



14.4245, 14.3870, 15.1700



18.5583, 9.5575, 1.3031



1.3881, 0.7129, 0.1841

Previews

White Background



This preview shows how the XYZ color 33.3963, 17.2028, 2.1764 looks on a white 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

Black Background



This preview shows how the XYZ color 33.3963, 17.2028, 2.1764 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3963, 17.2028, 2.1764

Background



This preview shows how black text looks on a background with the XYZ color 33.3963, 17.2028, 2.1764.



This preview shows how white text looks on a background with the XYZ color 33.3963, 17.2028,

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

33.3963, 17.2028, 2.1764

Protanopia

16.0876, 17.6944, 4.4869

Deuteranopia

17.8972, 17.6648, 2.4664



Tritanopia

32.9013, 17.3593, 1.6166

Trichromacy



Original Color

33.3963, 17.2028, 2.1764

Protanomaly

18.8579, 13.3267, 2.9449

Deuteranomaly

20.8820, 14.1055, 1.8230

Tritanomaly

33.1373, 17.2921, 1.7922

Monochromacy



Original Color

33.3963, 17.2028, 2.1764

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

10.8255, 6.9569, 4.1404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3963, 17.2028, 2.1764 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(232, 0, 19)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 19)  
}
```

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(232, 0, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 19) }
```

Border

The CSS property to change the border of an element to XYZ 33.3963, 17.2028, 2.1764 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(232, 0, 19) }
```


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

```
.border{ border-color:rgb(232, 0, 19) }
```

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

Here you see how a box with a 4 pixel rgb(232, 0, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 19);  
box-shadow:4px 4px 4px 4px rgb(232, 0, 19)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.3963, 17.2028, 2.1764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 19) }
```

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

```
.background{ background-color: rgb(232, 0,  
19) }
```

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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