

Converting Colors

XYZ(33.4270, 17.2170, 2.2537)

Have a look what the booklet for
XYZ(33.4270, 17.2170, 2.2537)
contains.

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Color

**XYZ(33.4141, 17.2099,
2.2702)**

Conversions

Conversions Part 1

Format	Color
Hex	E80015
RGB	232, 0, 21
RGB Percent	91%, 0%, 8%
CMY	0.0902, 0.9998, 0.9176
CMYK	0.00, 1.00, 0.91, 0.09
HSL	355°, 100%, 46%
HSV	355°, 100%, 91%
XYZ	33.4141, 17.2099, 2.2702
YIQ	71.7620, 131.5310, 55.7150

Conversions

Conversions Part 2

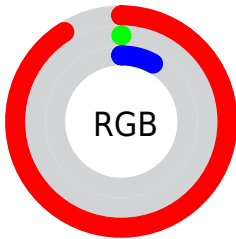
Format	Color
R_YB	232, 0, 21
Decimal	15204373
CIE Lab	48.52, 74.77, 56.20
CIE LCh	49, 93.534, 36.931
Yxy	17.2099, 0.6317, 0.3254
Android (android.graphics.Color)	4293394453 (0xFFE80015)
YUV	71.7620, -25.0257, 140.5287
Hunter-Lab	41.4848, 71.1751, 25.7948

Details

The XYZ color **33.4141, 17.2099, 2.2702** 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 **40.6215, 62.4190, 71.5693**, and the grayscale version is **6.1495, 6.4697, 7.0456**.

A 20% lighter version of the original color is **46.1413, 29.3440, 8.8623**, and **15.7259, 8.1070, 0.7360** is the 20% darker color. If you saturate the color by 10%, you get **33.4134, 17.2097, 2.2679**, and if you desaturate by 10%, it is **34.0098, 17.9465, 3.8719**.

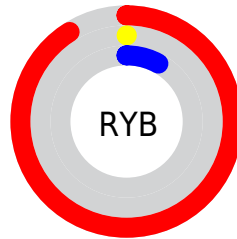
Distribution



Red (91%)

Green (0%)

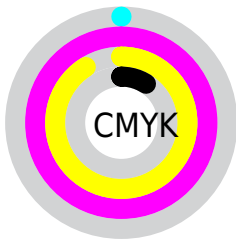
Blue (8%)



Red (91%)

Yellow (0%)

Blue (8%)

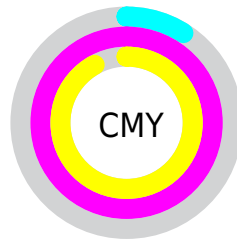


Cyan (0%)

Magenta (100%)

Yellow (91%)

Black (9%)



Cyan (9%)


Magenta (100%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4141, 17.2099, 2.2702 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 33.4141, 17.2099, 2.2702 by changing the saturation by 10% instead.


 33.4141, 17.2099,
2.2702


 33.4141, 17.2099,
2.2702

309.1437,
236.3791, 126.4407


 22.6046, 10.3843,
0.7145


 64.3719, 38.6863,
9.7672


 14.4209, 5.6545,
0.0000


 85.2509, 54.1059,
16.5664


 8.4977, 2.6361,
0.0000


 110.2171, 73.1589,
25.9575

 4.4695, 0.9449,
0.0000

 139.6358, 96.2297,
38.3591

 1.9710, 0.0000,
0.0000

 173.8725,
123.7027, 54.1897


 0.6176, 0.0000,
0.0000


 213.2925,


 0.0000, 0.0000,


155.9624, 73.8678


0.0000


 258.2611,
193.3930, 97.8119


 33.4141, 17.2099,
2.2702


 33.4141, 17.2099,
2.2702


 33.4134, 17.2097,
2.2679

 34.0098, 17.9465,
3.8719

 35.1764, 19.5065,
6.6446

 37.0596, 22.1378,
10.7721

 39.7514, 25.9872,
16.3989

 43.3299, 31.1787,
23.6509

■ 47.8638, 37.8207,
32.6407

■ 53.4153, 46.0109,
43.4709

■ 60.0410, 55.8381,
56.2361

■ 67.7937, 67.3848,
71.0242

Harmonies

Analogous

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



38.8187, 17.2099, 13.5940



33.4141, 17.2099, 2.2702



23.7138, 17.2099, 0.0000

Triad

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



33.4141, 17.2099, 2.2702



5.3872, 17.2099, 5.6499



18.4310, 17.2099, 115.7140

Complementary

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



33.4141, 17.2099, 2.2702



40.6215, 62.4190, 71.5693

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.



10.7055, 17.2099, 104.5358



33.4141, 17.2099, 2.2702



4.8353, 17.2099, 25.0408

Square

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



33.4141, 17.2099, 2.2702



8.3101, 17.2099, 0.6218



6.3939, 17.2099, 63.9012



28.4126, 17.2099, 87.6013

Rectangle

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



33.4141, 17.2099, 2.2702



17.2570, 17.2099, 0.0000



6.3939, 17.2099, 63.9012



15.4898, 17.2099, 116.6510

Sweetspot

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



33.4145, 17.2110, 2.2704



66.0603, 56.8202, 53.6112



40.8053, 19.3542, 77.9285



13.4837, 11.1927, 10.2001



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.



33.4145, 17.2110, 2.2704



41.3950, 21.3220, 2.7460



37.1784, 24.9550, 2.8588



14.4296, 14.3890, 15.1966



18.5695, 9.5620, 1.3619



1.3905, 0.7139, 0.1968

Inverse Universe

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



33.4145, 17.2110, 2.2704



41.3950, 21.3220, 2.7460



23.8307, 24.3558, 79.7886



14.4296, 14.3890, 15.1966



18.5695, 9.5620, 1.3619



1.3905, 0.7139, 0.1968

Previews

White Background



This preview shows how the XYZ color 33.4141, 17.2099, 2.2702 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 33.4141, 17.2099, 2.2702 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 33.4141, 17.2099, 2.2702

Background



This preview shows how black text looks on a background with the XYZ color 33.4141, 17.2099, 2.2702.



This preview shows how white text looks on a background with the XYZ color 33.4141, 17.2099,

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

33.4141, 17.2099, 2.2702

Protanopia

16.1216, 17.7080, 4.6661

Deuteranopia

17.8972, 17.6648, 2.4664

Trichromacy



Original Color

33.4141, 17.2099, 2.2702

Protanomaly

18.8860, 13.3379, 3.0924

Deuteranomaly

20.8875, 14.1077, 1.8519

Monochromacy



Original Color

33.4141, 17.2099, 2.2702

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 33.4141, 17.2099, 2.2702 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, 21)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 21)  
}
```

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, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 21) }
```

Border

The CSS property to change the border of an element to XYZ 33.4141, 17.2099, 2.2702 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, 21) }
```

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

```
.border{ border-color:rgb(232, 0, 21) }
```

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, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 21);  
box-shadow:4px 4px 4px 4px rgb(232, 0, 21)  
}
```


Background

The CSS property to change the background color of an element to XYZ 33.4141, 17.2099, 2.2702 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, 21) }
```

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

```
.background{ background-color: rgb(232, 0,  
21) }
```

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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