

Converting Colors

XYZ(33.3850, 17.1052, 6.3226)

Have a look what the booklet for
XYZ(33.3850, 17.1052, 6.3226)
contains.

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Color

**XYZ(33.2385, 17.0282,
6.3854)**

Conversions

Conversions Part 1

Format	Color
Hex	E50040
RGB	229, 0, 64
RGB Percent	90%, 0%, 25%
CMY	0.1020, 0.9998, 0.7490
CMYK	0.00, 1.00, 0.72, 0.10
HSL	343°, 100%, 45%
HSV	343°, 100%, 90%
XYZ	33.2385, 17.0282, 6.3854
YIQ	75.7670, 115.9400, 68.4520

Conversions

Conversions Part 2

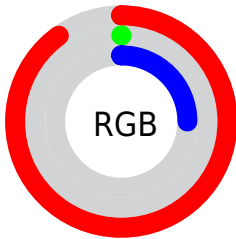
Format	Color
R_{YB}	229, 0, 64
Decimal	15007808
CIE Lab	48.30, 75.13, 33.15
CIE LCh	48, 82.119, 23.809
Yxy	17.0282, 0.5867, 0.3006
Android (android.graphics.Color)	4293197888 (0xFFE50040)
YUV	75.7670, -5.8011, 134.3853
Hunter-Lab	41.2652, 71.5648, 19.7111

Details

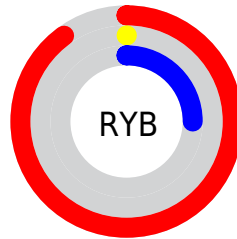
The XYZ color **33.2385, 17.0282, 6.3854** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **34.8164, 58.7572, 45.1299**, and the grayscale version is **6.8279, 7.1835, 7.8229**.

A 20% lighter version of the original color is **47.9918, 30.0841, 18.6066**, and **15.4547, 7.9504, 1.4791** is the 20% darker color. If you saturate the color by 10%, you get **33.2371, 17.0276, 6.3793**, and if you desaturate by 10%, it is **34.0851, 17.8556, 9.3375**.

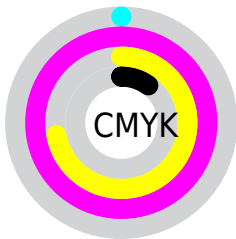
Distribution



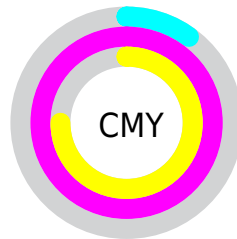
- Red (90%)
- Green (0%)
- Blue (25%)



- Red (90%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2385, 17.0282, 6.3854 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 33.2385, 17.0282, 6.3854 by changing the saturation by 10% instead.

 33.2385, 17.0282,
6.3854


 33.2385, 17.0282,
6.3854


308.3691,
235.3348, 171.8868

 22.4693, 10.2546,
3.0083


 64.0999, 38.3743,
19.2170


 14.3207, 5.5681,
1.0989


 84.9228, 53.7155,
29.5086

 8.4272, 2.5843,
0.0000


 109.8277, 72.6814,
42.9421

 4.4236, 0.9188,
0.0000

 139.1799, 95.6564,
59.9360

 1.9445, 0.0000,
0.0000

 173.3448,
123.0248, 80.9089

 0.6025, 0.0000,
0.0000

 212.6877,

 0.0000, 0.0000,

155.1711, 106.2793

0.0000

257.5740,
192.4797, 136.4658

■ 33.2385, 17.0282,
6.3854

■ 33.2385, 17.0282,
6.3854

■ 33.2371, 17.0276,
6.3793

■ 34.0851, 17.8556,
9.3375

■ 35.4423, 19.4639,
13.2002

■ 37.4356, 22.0880,
18.0647

■ 40.1406, 25.8648,
24.0015

■ 43.6219, 30.9099,
31.0738

■ 47.9365, 37.3243,
39.3394

■ 53.1356, 45.1991,
48.8521

■ 59.2666, 54.6174,
59.6621

■ 66.3730, 65.6560,
71.8170

Harmonies

Analogous

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



35.1155, 17.0282, 23.3485



33.2385, 17.0282, 6.3854



26.2532, 17.0282, 1.2058

Triad

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



33.2385, 17.0282, 6.3854



7.1288, 17.0282, 3.3014



14.6824, 17.0282, 97.0792

Complementary

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



33.2385, 17.0282, 6.3854



34.8164, 58.7572, 45.1299

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.



9.0892, 17.0282, 75.6381



33.2385, 17.0282, 6.3854



5.6812, 17.0282, 14.4430

Square

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



33.2385, 17.0282, 6.3854



11.0438, 17.0282, 0.5690



6.2679, 17.0282, 40.6450



22.7154, 17.0282, 87.5591

Rectangle

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



33.2385, 17.0282, 6.3854



20.5370, 17.0282, 0.3080



6.2679, 17.0282, 40.6450



12.4955, 17.0282, 92.9365

Sweetspot

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



33.2389, 17.0293, 6.3856



67.6698, 57.4640, 62.0869



29.4805, 13.5649, 75.1927



13.8536, 11.3407, 12.1475



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.



33.2389, 17.0293, 6.3856



42.3845, 21.7178, 7.9567



33.4393, 18.9103, 1.8892



14.5416, 14.4338, 15.7865



19.0476, 9.7533, 3.8799



1.4462, 0.7362, 0.4901

Inverse Universe

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



33.2389, 17.0293, 6.3856



42.3845, 21.7178, 7.9567



30.3428, 38.0562, 79.8745



14.5416, 14.4338, 15.7865



19.0476, 9.7533, 3.8799



1.4462, 0.7362, 0.4901

Previews

White Background



This preview shows how the XYZ color 33.2385, 17.0282, 6.3854 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 33.2385, 17.0282, 6.3854 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 33.2385, 17.0282, 6.3854

Background



This preview shows how black text looks on a background with the XYZ color 33.2385, 17.0282, 6.3854.



This preview shows how white text looks on a background with the XYZ color 33.2385, 17.0282,

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

33.2385, 17.0282, 6.3854

Protanopia

16.4793, 17.5280, 13.3412

Deuteranopia

17.8059, 17.5461, 5.6971



Tritanopia

32.4906, 17.2833, 2.2854

Trichromacy



Original Color

33.2385, 17.0282, 6.3854

Protanomaly

18.9493, 13.2190, 9.9403

Deuteranomaly

20.6462, 13.9060, 5.3373

Tritanomaly

32.5138, 17.0223, 3.2410

Monochromacy



Original Color

33.2385, 17.0282, 6.3854

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

11.7424, 7.4873, 6.9572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2385, 17.0282, 6.3854 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, 0, 64)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 64)  
}
```

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, 0, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 64) }
```

Border

The CSS property to change the border of an element to XYZ 33.2385, 17.0282, 6.3854 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, 0, 64) }
```


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

```
.border{ border-color:rgb(229, 0, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 0, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 64);  
box-shadow:4px 4px 4px 4px rgb(229, 0, 64)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.2385, 17.0282, 6.3854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 0, 64) }
```

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

```
.background{ background-color: rgb(229, 0,  
64) }
```

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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