

Converting Colors

XYZ(33.5428, 17.1686, 7.1534)

Have a look what the booklet for
XYZ(33.5428, 17.1686, 7.1534)
contains.

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Color

**XYZ(33.3873, 17.0877,
7.1688)**

Conversions

Conversions Part 1

Format	Color
Hex	E50045
RGB	229, 0, 69
RGB Percent	90%, 0%, 27%
CMY	0.1020, 0.9998, 0.7294
CMYK	0.00, 1.00, 0.70, 0.10
HSL	342°, 100%, 45%
HSV	342°, 100%, 90%
XYZ	33.3873, 17.0877, 7.1688
YIQ	76.3370, 114.3350, 70.0070

Conversions

Conversions Part 2

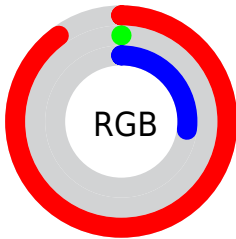
Format	Color
R_{YB}	229, 0, 69
Decimal	15007813
CIE Lab	48.37, 75.33, 30.22
CIE LCh	48, 81.170, 21.861
Yxy	17.0877, 0.5792, 0.2964
Android (android.graphics.Color)	4293197893 (0xFFE50045)
YUV	76.3370, -3.6171, 133.8855
Hunter-Lab	41.3373, 71.8307, 18.6539

Details

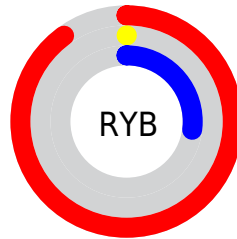
The XYZ color **33.3873, 17.0877, 7.1688** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **34.3697, 58.5786, 42.7776**, and the grayscale version is **6.9286, 7.2894, 7.9382**.

A 20% lighter version of the original color is **48.2780, 30.1986, 20.1140**, and **15.7149, 8.0785, 1.7679** is the 20% darker color. If you saturate the color by 10%, you get **33.3859, 17.0871, 7.1626**, and if you desaturate by 10%, it is **34.2583, 17.9248, 10.2494**.

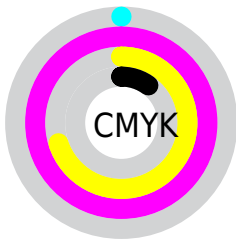
Distribution



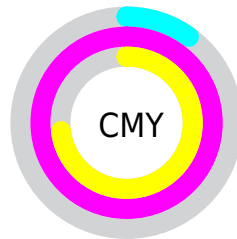
- Red (90%)
- Green (0%)
- Blue (27%)



- Red (90%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (70%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3873, 17.0877, 7.1688 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 33.3873, 17.0877, 7.1688 by changing the saturation by 10% instead.


 33.3873, 17.0877,
7.1688

 33.3873, 17.0877,
7.1688


309.0255,
235.6773, 178.7428


 22.5840, 10.2970,
3.4878


 64.3304, 38.4765,
20.8306


 14.4056, 5.5963,
1.3488


 85.2008, 53.8434,
31.6486

 8.4869, 2.6012,
0.1013


 110.1577, 72.8379,
45.6826

 4.4625, 0.9273,
0.0000

 139.5663, 95.8443,
63.3512

 1.9669, 0.0000,
0.0000

 173.7920,
123.2471, 85.0730

 0.6153, 0.0000,
0.0000

 213.2002,

 0.0000, 0.0000,

155.4305, 111.2666

0.0000

258.1563,
192.7791, 142.3503

■ 33.3873, 17.0877,
7.1688

■ 33.3873, 17.0877,
7.1688

■ 33.3859, 17.0871,
7.1626

■ 34.2583, 17.9248,
10.2494

■ 35.6336, 19.5403,
14.2075

■ 37.6375, 22.1686,
19.1285

■ 40.3449, 25.9463,
25.0776

■ 43.8193, 30.9885,
32.1136

■ 48.1169, 37.3961,
40.2903

■ 53.2884, 45.2598,
49.6577

■ 59.3804, 54.6624,
60.2627

■ 66.4359, 65.6806,
72.1494

Harmonies

Analogous

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



34.8327, 17.0877, 25.0041



33.3873, 17.0877, 7.1688



26.7304, 17.0877, 1.4259

Triad

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



33.3873, 17.0877, 7.1688



7.4120, 17.0877, 3.0674



14.3058, 17.0877, 95.3359

Complementary

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



33.3873, 17.0877, 7.1688



34.3697, 58.5786, 42.7776

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.



8.9331, 17.0877, 72.7240



33.3873, 17.0877, 7.1688



5.8228, 17.0877, 13.4040

Square

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



33.3873, 17.0877, 7.1688



11.4909, 17.0877, 0.5638



6.2790, 17.0877, 38.3216



22.1481, 17.0877, 88.0280

Rectangle

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



33.3873, 17.0877, 7.1688



21.0954, 17.0877, 0.4377



6.2790, 17.0877, 38.3216



12.1956, 17.0877, 90.6087

Sweetspot

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



33.3877, 17.0888, 7.1690



67.8661, 57.5425, 63.1204



27.9507, 12.7762, 75.1212



13.8991, 11.3589, 12.3874



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.



33.3877, 17.0888, 7.1690



42.5722, 21.7929, 8.9454



33.1422, 18.3159, 1.7901



14.5547, 14.4391, 15.8556



19.1351, 9.7883, 4.3407



1.4540, 0.7393, 0.5315

Inverse Universe

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



33.3877, 17.0888, 7.1690



42.5722, 21.7929, 8.9454



31.9193, 41.2092, 80.4001



14.5547, 14.4391, 15.8556



19.1351, 9.7883, 4.3407



1.4540, 0.7393, 0.5315

Previews

White Background



This preview shows how the XYZ color 33.3873, 17.0877, 7.1688 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 33.3873, 17.0877, 7.1688 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 33.3873, 17.0877, 7.1688

Background



This preview shows how black text looks on a background with the XYZ color 33.3873, 17.0877, 7.1688.



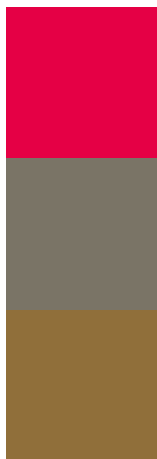
This preview shows how white text looks on a background with the XYZ color 33.3873, 17.0877,

7.1688.

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

33.3873, 17.0877, 7.1688

Protanopia

16.6697, 17.5877, 15.0865

Deuteranopia

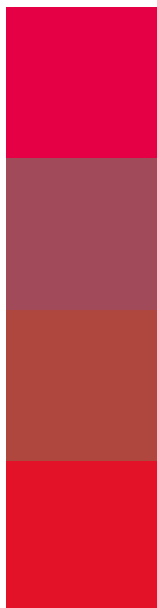
17.9498, 17.6037, 6.4548



Tritanopia

32.5648, 17.3864, 2.4502

Trichromacy



Original Color

33.3873, 17.0877, 7.1688

Protanomaly

18.9922, 13.2128, 11.2222

Deuteranomaly

20.8019, 13.9682, 6.1572

Tritanomaly

32.5942, 17.0798, 3.5863

Monochromacy



Original Color

33.3873, 17.0877, 7.1688

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

11.7753, 7.5005, 7.1304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3873, 17.0877, 7.1688 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, 69)` looks like.

```
.text, #text, p{  
  color:rgb(229, 0, 69)  
}
```

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, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 69) }
```

Border

The CSS property to change the border of an element to XYZ 33.3873, 17.0877, 7.1688 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, 69) }
```


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

```
.border{ border-color:rgb(229, 0, 69) }
```

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, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 69);  
box-shadow:4px 4px 4px 4px rgb(229, 0, 69)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.3873, 17.0877, 7.1688 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, 69) }
```

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

```
.background{ background-color: rgb(229, 0,  
69) }
```

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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