

Converting Colors

XYZ(33.1681, 17.2131, 2.2361)

Have a look what the booklet for
XYZ(33.1681, 17.2131, 2.2361)
contains.

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Color

**XYZ(33.1681, 17.2131,
2.2361)**

Conversions

Conversions Part 1

Format	Color
Hex	E70814
RGB	231, 8, 20
RGB Percent	91%, 3%, 8%
CMY	0.0941, 0.9684, 0.9216
CMYK	0.00, 0.97, 0.91, 0.09
HSL	357°, 93%, 47%
HSV	357°, 97%, 91%
XYZ	33.1681, 17.2131, 2.2361
YIQ	76.0450, 129.0560, 51.0080

Conversions

Conversions Part 2

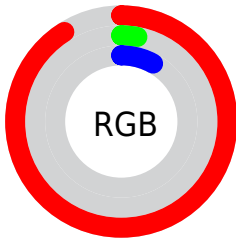
Format	Color
RYB	231, 8, 20
Decimal	15140884
CIELab	48.53, 73.88, 56.48
CIELCh	49, 93.000, 37.399
Yxy	17.2131, 0.6304, 0.3271
Android (android.graphics.Color)	4293330964 (0xFFE70814)
YUV	76.0450, -27.6302, 135.8955
Hunter-Lab	41.4887, 70.0966, 25.8465

Details

The XYZ color **33.1681, 17.2131, 2.2361** 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 **41.4701, 62.3208, 76.9001**, and the grayscale version is **6.9160, 7.2761, 7.9237**.

A 20% lighter version of the original color is **46.2285, 29.5184, 8.8913**, and **15.5170, 7.9993, 0.7262** is the 20% darker color. If you saturate the color by 10%, you get **33.0234, 17.0163, 1.9039**, and if you desaturate by 10%, it is **33.8643, 18.1432, 3.8948**.

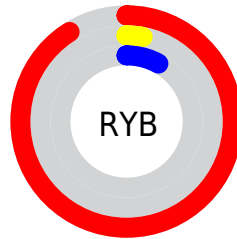
Distribution



Red (91%)

Green (3%)

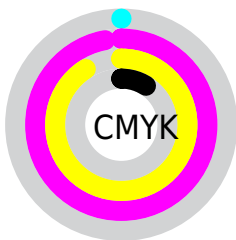
Blue (8%)



Red (91%)

Yellow (3%)

Blue (8%)

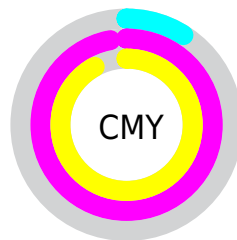


Cyan (0%)

Magenta (97%)

Yellow (91%)

Black (9%)



Cyan (9%)


Magenta (97%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1681, 17.2131, 2.2361 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 33.1681, 17.2131, 2.2361 by changing the saturation by 10% instead.

 33.1681, 17.2131,
2.2361

 33.1681, 17.2131,
2.2361


308.0581,
236.3974, 125.9415


 22.4151, 10.3865,
0.6951


 63.9908, 38.6918,
9.6768


 14.2805, 5.6560,
0.0000


 84.7912, 54.1127,
16.4378


 8.3990, 2.6371,
0.0000


 109.6715, 73.1673,
25.7840

 4.4053, 0.9453,
0.0000

 138.9970, 96.2398,
38.1339

 1.9339, 0.0000,
0.0000

 173.1330,
123.7146, 53.9061


 0.5964, 0.0000,
0.0000


 212.4450,


 0.0000, 0.0000,


155.9763, 73.5190


0.0000


 257.2983,
193.4091, 97.3913


 33.1681, 17.2131,
2.2361


 33.1681, 17.2131,
2.2361


 33.0234, 17.0163,
1.9039

 33.8643, 18.1432,
3.8948

 35.2035, 20.0182,
6.8180

 37.2968, 23.0119,
11.1932

 40.2334, 27.2621,
17.1759

 44.0902, 32.8866,
24.9019

■ 48.9353, 39.9897,
34.4923

■ 54.8303, 48.6657,
46.0577

■ 61.8320, 59.0010,
59.6999

■ 69.9930, 71.0756,
75.5136

Harmonies

Analogous

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



38.6283, 17.2131, 13.3177



33.1681, 17.2131, 2.2361



23.5129, 17.2131, 0.0000

Triad

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



33.1681, 17.2131, 2.2361



5.4052, 17.2131, 5.8605



18.5662, 17.2131, 114.6662

Complementary

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



33.1681, 17.2131, 2.2361



41.4701, 62.3208, 76.9001

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.



10.8292, 17.2131, 104.2342



33.1681, 17.2131, 2.2361



4.8858, 17.2131, 25.4696

Square

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



33.1681, 17.2131, 2.2361



8.2801, 17.2131, 0.6842



6.4794, 17.2131, 64.2347



28.4894, 17.2131, 86.3661

Rectangle

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



33.1681, 17.2131, 2.2361



17.1167, 17.2131, 0.0000



6.4794, 17.2131, 64.2347



15.6270, 17.2131, 115.8171

Sweetspot

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



33.1685, 17.2142, 2.2363



66.5322, 57.8314, 53.5612



42.8704, 20.5641, 77.3105



13.5610, 11.3780, 10.1312



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.



33.1685, 17.2142, 2.2363



41.3170, 21.2908, 2.3354



38.0164, 27.0416, 3.4472



14.4081, 14.3804, 15.0837



18.5274, 9.5452, 1.1405



1.3802, 0.7098, 0.1427

Inverse Universe

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



33.1685, 17.2142, 2.2363



41.3170, 21.2908, 2.3354



23.1038, 22.9800, 78.8186



14.4081, 14.3804, 15.0837



18.5274, 9.5452, 1.1405



1.3802, 0.7098, 0.1427

Previews

White Background



This preview shows how the XYZ color 33.1681, 17.2131, 2.2361 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 33.1681, 17.2131, 2.2361 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 33.1681, 17.2131, 2.2361

Background



This preview shows how black text looks on a background with the XYZ color 33.1681, 17.2131, 2.2361.



This preview shows how white text looks on a background with the XYZ color 33.1681, 17.2131,

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

33.1681, 17.2131, 2.2361

Protanopia

16.1044, 17.7011, 4.5753

Deuteranopia

17.7171, 17.5719, 2.4579



Tritanopia

32.9013, 17.3593, 1.6166

Trichromacy



Original Color

33.1681, 17.2131, 2.2361



Protanomaly

18.8647, 13.6330, 3.0760



Deuteranomaly

20.8472, 14.3779, 1.8774



Tritanomaly

32.8568, 17.2089, 1.7909

Monochromacy



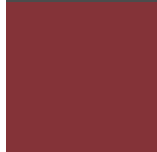
Original Color

33.1681, 17.2131, 2.2361



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

11.4134, 7.5587, 4.5988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1681, 17.2131, 2.2361 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(231, 8, 20)` looks like.

```
.text, #text, p{  
    color:rgb(231, 8, 20)  
}
```

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(231, 8, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 8, 20) }
```

Border

The CSS property to change the border of an element to XYZ 33.1681, 17.2131, 2.2361 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(231, 8, 20) }
```


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

```
.border{ border-color:rgb(231, 8, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 8, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 8, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 8, 20);  
box-shadow:4px 4px 4px 4px rgb(231, 8, 20)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.1681, 17.2131, 2.2361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 8, 20) }
```

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

```
.background{ background-color: rgb(231, 8,  
20) }
```

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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