

Converting Colors

XYZ(33.5656, 17.5137, 2.3150)

Have a look what the booklet for
XYZ(33.5656, 17.5137, 2.3150)
contains.

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Color

**XYZ(33.5711, 17.5240,
2.3225)**

Conversions

Conversions Part 1

Format	Color
Hex	E80E15
RGB	232, 14, 21
RGB Percent	91%, 5%, 8%
CMY	0.0902, 0.9449, 0.9176
CMYK	0.00, 0.94, 0.91, 0.09
HSL	358°, 89%, 48%
HSV	358°, 94%, 91%
XYZ	33.5711, 17.5240, 2.3225
YIQ	79.9800, 127.6810, 48.3930

Conversions

Conversions Part 2

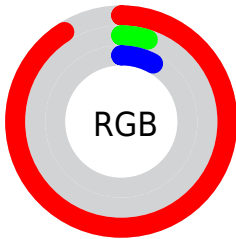
Format	Color
R_{YB}	232, 14, 21
Decimal	15207957
CIE Lab	48.91, 73.64, 56.45
CIE LCh	49, 92.787, 37.475
Yxy	17.5240, 0.6285, 0.3281
Android (android.graphics.Color)	4293398037 (0xFFE80E15)
YUV	79.9800, -29.0771, 133.3215
Hunter-Lab	41.8617, 69.8907, 26.0137

Details

The XYZ color **33.5711, 17.5240, 2.3225** 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 **42.6350, 63.2452, 81.2268**, and the grayscale version is **7.6632, 8.0623, 8.7799**.

A 20% lighter version of the original color is **46.4377, 29.8866, 9.1155**, and **15.7259, 8.1070, 0.7360** is the 20% darker color. If you saturate the color by 10%, you get **33.3190, 17.1719, 1.7710**, and if you desaturate by 10%, it is **34.3922, 18.6720, 4.1213**.

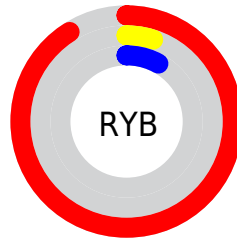
Distribution



Red (91%)

Green (5%)

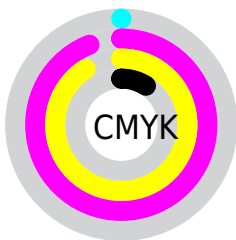
Blue (8%)



Red (91%)

Yellow (5%)

Blue (8%)

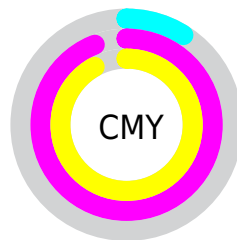


Cyan (0%)

Magenta (94%)

Yellow (91%)

Black (9%)



Cyan (9%)


Magenta (94%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5711, 17.5240, 2.3225 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 33.5711, 17.5240, 2.3225 by changing the saturation by 10% instead.


 33.5711, 17.5240,
2.3225


 33.5711, 17.5240,
2.3225

309.8350,
238.1742, 127.1991


 22.7256, 10.6088,
0.7438


 64.6149, 39.2245,
9.9051


 14.5106, 5.8044,
0.0000


 85.5439, 54.7787,
16.7624

 8.5607, 2.7265,
0.0000


 110.5648, 73.9812,
26.2219

 4.5106, 0.9907,
0.0000

 140.0429, 97.2166,
38.7019

 1.9949, 0.0000,
0.0000

 174.3436,
124.8692, 54.6211

 0.6311, 0.0000,
0.0000


 213.8323,


 0.0000, 0.0000,


157.3234, 74.3980


0.0000


 258.8744,
194.9636, 98.4512


 33.5711, 17.5240,
2.3225


 33.5711, 17.5240,
2.3225


 33.3190, 17.1719,
1.7710

 34.3922, 18.6720,
4.1213

 35.8987, 20.8267,
7.2697

 38.1985, 24.1523,
11.9636

 41.3804, 28.7830,
18.3671

 45.5214, 34.8347,
26.6230

■ 50.6901, 42.4106,
36.8596

■ 56.9490, 51.6043,
49.1933

■ 64.3553, 62.5019,
63.7317

■ 72.9625, 75.1833,
80.5753

Harmonies

Analogous

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



39.0798, 17.5240, 13.5485



33.5711, 17.5240, 2.3225



23.8444, 17.5240, 0.0000

Triad

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



33.5711, 17.5240, 2.3225



5.5596, 17.5240, 6.0635



18.9062, 17.5240, 115.4094

Complementary

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



33.5711, 17.5240, 2.3225



42.6350, 63.2452, 81.2268

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.



11.0805, 17.5240, 105.0564



33.5711, 17.5240, 2.3225



5.0365, 17.5240, 25.9447

Square

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



33.5711, 17.5240, 2.3225



8.4716, 17.5240, 0.7478



6.6628, 17.5240, 64.9671



28.9088, 17.5240, 86.9569

Rectangle

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



33.5711, 17.5240, 2.3225



17.3966, 17.5240, 0.0000



6.6628, 17.5240, 64.9671



15.9368, 17.5240, 116.5995

Sweetspot

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



33.5715, 17.5251, 2.3227



67.1475, 58.9150, 54.2192



45.6915, 22.1063, 78.2021



13.6700, 11.5789, 10.2203



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.



33.5715, 17.5251, 2.3227



41.2846, 21.2778, 2.1647



39.5755, 29.6224, 4.0489



14.3955, 14.3754, 15.0173



18.5062, 9.5367, 1.0289



1.3742, 0.7074, 0.1108

Inverse Universe

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



33.5715, 17.5251, 2.3227



41.2846, 21.2778, 2.1647



22.7681, 21.9618, 79.3824



14.3955, 14.3754, 15.0173



18.5062, 9.5367, 1.0289



1.3742, 0.7074, 0.1108

Previews

White Background



This preview shows how the XYZ color 33.5711, 17.5240, 2.3225 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 33.5711, 17.5240, 2.3225 looks on a black 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

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

XYZ 33.5711, 17.5240, 2.3225

Background



This preview shows how black text looks on a background with the XYZ color 33.5711, 17.5240, 2.3225.



This preview shows how white text looks on a background with the XYZ color 33.5711, 17.5240,

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

33.5711, 17.5240, 2.3225

Protanopia

16.2387, 17.9423, 4.7051

Deuteranopia

18.0069, 17.8842, 2.5029



Tritanopia

33.2232, 17.5253, 1.6317

Trichromacy



Original Color

33.5711, 17.5240, 2.3225

Protanomaly

19.3058, 14.1776, 3.2324

Deuteranomaly

21.2187, 14.7701, 1.9623

Tritanomaly

33.2151, 17.4391, 1.8452

Monochromacy



Original Color

33.5711, 17.5240, 2.3225

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

12.1953, 8.2950, 5.0960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5711, 17.5240, 2.3225 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, 14, 21)` looks like.

```
.text, #text, p{  
    color:rgb(232, 14, 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, 14, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 14, 21) }
```

Border

The CSS property to change the border of an element to XYZ 33.5711, 17.5240, 2.3225 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, 14, 21) }
```


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

```
.border{ border-color:rgb(232, 14, 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, 14, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 14, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 14, 21);  
box-shadow:4px 4px 4px 4px rgb(232, 14,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5711, 17.5240, 2.3225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 14, 21) }
```

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

```
.background{ background-color: rgb(232, 14,  
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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