

Converting Colors

XYZ(33.4428, 17.2214, 2.4227)

Have a look what the booklet for
XYZ(33.4428, 17.2214, 2.4227)
contains.

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Color

**XYZ(33.4436, 17.2218,
2.4256)**

Conversions

Conversions Part 1

Format	Color
Hex	E80018
RGB	232, 0, 24
RGB Percent	91%, 0%, 9%
CMY	0.0902, 0.9998, 0.9059
CMYK	0.00, 1.00, 0.90, 0.09
HSL	354°, 100%, 46%
HSV	354°, 100%, 91%
XYZ	33.4436, 17.2218, 2.4256
YIQ	72.1040, 130.5680, 56.6480

Conversions

Conversions Part 2

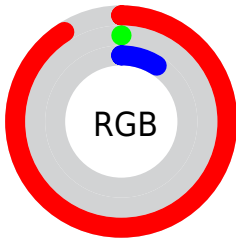
Format	Color
RYB	232, 0, 24
Decimal	15204376
CIELab	48.54, 74.81, 55.00
CIELCh	49, 92.849, 36.323
Yxy	17.2218, 0.6299, 0.3244
Android (android.graphics.Color)	4293394456 (0xFFE80018)
YUV	72.1040, -23.7153, 140.2288
Hunter-Lab	41.4992, 71.2272, 25.5839

Details

The XYZ color **33.4436, 17.2218, 2.4256** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **40.2495, 62.2701, 69.6103**, and the grayscale version is **6.2069, 6.5302, 7.1113**.

A 20% lighter version of the original color is **46.2368, 29.3822, 9.3653**, and **15.7259, 8.1070, 0.7360** is the 20% darker color. If you saturate the color by 10%, you get **33.4428, 17.2214, 2.4227**, and if you desaturate by 10%, it is **34.0599, 17.9668, 4.1358**.

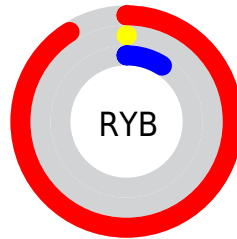
Distribution



Red (91%)

Green (0%)

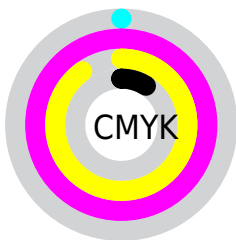
Blue (9%)



Red (91%)

Yellow (0%)

Blue (9%)

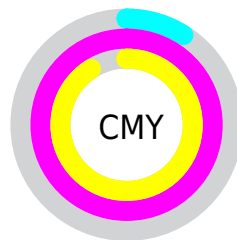


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (9%)



Cyan (9%)


Magenta (100%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4436, 17.2218, 2.4256 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 33.4436, 17.2218, 2.4256 by changing the saturation by 10% instead.


 33.4436, 17.2218,
2.4256


 33.4436, 17.2218,
2.4256


309.2737,
236.4473, 128.6702

 22.6273, 10.3928,
0.8003


 64.4175, 38.7067,
10.1747


 14.4378, 5.6601,
0.0000


 85.3059, 54.1314,
17.1448


 8.5095, 2.6395,
0.0000


 110.2824, 73.1901,
26.7366

 4.4772, 0.9466,
0.0000

 139.7123, 96.2672,
39.3686

 1.9755, 0.0000,
0.0000

 173.9611,
123.7470, 55.4595

 0.6201, 0.0000,
0.0000


 213.3940,


 0.0000, 0.0000,


156.0141, 75.4276


0.0000


 258.3764,
193.4527, 99.6917


 33.4436, 17.2218,
2.4256


 33.4436, 17.2218,
2.4256


 33.4428, 17.2214,
2.4227

 34.0599, 17.9668,
4.1358

 35.2454, 19.5345,
7.0072

 37.1439, 22.1721,
11.2142

 39.8460, 26.0259,
16.8944

 43.4287, 31.2193,
24.1682

■ 47.9600, 37.8606,
33.1434

■ 53.5012, 46.0469,
43.9185

■ 60.1083, 55.8670,
56.5843

■ 67.8332, 67.4030,
71.2257

Harmonies

Analogous

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



38.6610, 17.2218, 14.0423



33.4436, 17.2218, 2.4256



23.8723, 17.2218, 0.0000

Triad

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



33.4436, 17.2218, 2.4256



5.4791, 17.2218, 5.5124



18.2411, 17.2218, 114.7957

Complementary

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



33.4436, 17.2218, 2.4256



40.2495, 62.2701, 69.6103

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.



10.6297, 17.2218, 102.9604



33.4436, 17.2218, 2.4256



4.8849, 17.2218, 24.4111

Square

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



33.4436, 17.2218, 2.4256



8.4532, 17.2218, 0.6208



6.3962, 17.2218, 62.5630



28.1233, 17.2218, 87.6937

Rectangle

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



33.4436, 17.2218, 2.4256



17.4425, 17.2218, 0.0000



6.3962, 17.2218, 62.5630



15.3401, 17.2218, 115.4291

Sweetspot

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



33.4440, 17.2229, 2.4258



66.1652, 56.8622, 54.1638



39.7262, 18.7980, 77.8779



13.5076, 11.2023, 10.3259



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.



33.4440, 17.2229, 2.4258



41.4301, 21.3360, 2.9308



36.8486, 24.2955, 2.7491



14.4371, 14.3920, 15.2364



18.5877, 9.5693, 1.4580



1.3941, 0.7153, 0.2158

Inverse Universe

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



33.4440, 17.2229, 2.4258



41.4301, 21.3360, 2.9308



24.4019, 25.4982, 79.9788



14.4371, 14.3920, 15.2364



18.5877, 9.5693, 1.4580



1.3941, 0.7153, 0.2158

Previews

White Background



This preview shows how the XYZ color 33.4436, 17.2218, 2.4256 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 33.4436, 17.2218, 2.4256 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 33.4436, 17.2218, 2.4256

Background



This preview shows how black text looks on a background with the XYZ color 33.4436, 17.2218, 2.4256.



This preview shows how white text looks on a background with the XYZ color 33.4436, 17.2218,

2.4256.

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

33.4436, 17.2218, 2.4256

Protanopia

16.1760, 17.7297, 4.9525

Deuteranopia

17.8972, 17.6648, 2.4664



Tritanopia

32.9013, 17.3593, 1.6166

Trichromacy



Original Color

33.4436, 17.2218, 2.4256

Protanomaly

18.9312, 13.3560, 3.3304

Deuteranomaly

20.8930, 14.1099, 1.8807

Tritanomaly

33.1482, 17.2965, 1.8499

Monochromacy



Original Color

33.4436, 17.2218, 2.4256

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

10.8725, 6.9757, 4.3878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4436, 17.2218, 2.4256 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, 24)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 24)  
}
```

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, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 24) }
```

Border

The CSS property to change the border of an element to XYZ 33.4436, 17.2218, 2.4256 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, 24) }
```


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

```
.border{ border-color:rgb(232, 0, 24) }
```

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, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 24);  
box-shadow:4px 4px 4px 4px rgb(232, 0, 24)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.4436, 17.2218, 2.4256 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, 24) }
```

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

```
.background{ background-color: rgb(232, 0,  
24) }
```

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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