

Converting Colors

XYZ(33.4474, 17.7421, 2.4207)

Have a look what the booklet for
XYZ(33.4474, 17.7421, 2.4207)
contains.

XYZ(33.4474, 17.7421, 2.4207)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.4474, 17.7421,
2.4207)**

Conversions

Conversions Part 1

Format	Color
Hex	E71916
RGB	231, 25, 22
RGB Percent	91%, 10%, 9%
CMY	0.0941, 0.9018, 0.9137
CMYK	0.00, 0.89, 0.90, 0.09
HSL	1°, 83%, 50%
HSV	1°, 90%, 91%
XYZ	33.4474, 17.7421, 2.4207
YIQ	86.2520, 123.7390, 42.7390

Conversions

Conversions Part 2

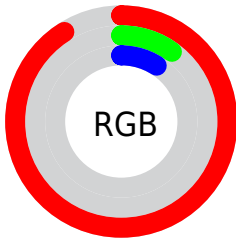
Format	Color
R_{YB}	231, 25, 22
Decimal	15145238
CIE Lab	49.18, 72.05, 56.15
CIE LCh	49, 91.340, 37.929
Yxy	17.7421, 0.6239, 0.3309
Android (android.graphics.Color)	4293335318 (0xFFE71916)
YUV	86.2520, -31.6762, 126.9440
Hunter-Lab	42.1214, 68.0294, 26.0776

Details

The XYZ color **33.4474, 17.7421, 2.4207** 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 **42.4894, 61.4098, 85.2145**, and the grayscale version is **8.9490, 9.4151, 10.2530**.

A 20% lighter version of the original color is **46.7450, 30.4503, 9.3750**, and **15.5170, 7.9993, 0.7262** is the 20% darker color. If you saturate the color by 10%, you get **32.9910, 17.0615, 1.5544**, and if you desaturate by 10%, it is **34.4788, 19.2762, 4.3961**.

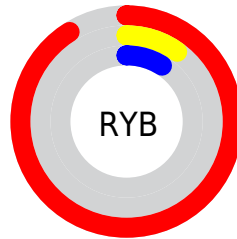
Distribution



Red (91%)

Green (10%)

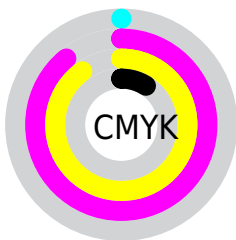
Blue (9%)



Red (91%)

Yellow (10%)

Blue (9%)

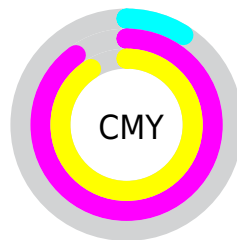


Cyan (0%)

Magenta (89%)

Yellow (90%)

Black (9%)



Cyan (9%)


Magenta (90%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4474, 17.7421, 2.4207 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 33.4474, 17.7421, 2.4207 by changing the saturation by 10% instead.


 33.4474, 17.7421,
2.4207


 33.4474, 17.7421,
2.4207


309.2904,
239.4133, 128.6010


 22.6303, 10.7650,
0.7977


 64.4234, 39.5974,
10.1620

 14.4399, 5.9090,
0.0000


 85.3130, 55.2443,
17.1267


 8.5110, 2.7898,
0.0000


 110.2908, 74.5500,
26.7123

 4.4782, 1.0230,
0.0000

 139.7222, 97.8988,
39.3372

 1.9761, 0.0000,
0.0000

 173.9725,
125.6752, 55.4200


 0.6205, 0.0000,
0.0000


 213.4071,


 0.0000, 0.0000,


158.2635, 75.3792


0.0000


 258.3912,
196.0481, 99.6333


 33.4474, 17.7421,
2.4207


 33.4474, 17.7421,
2.4207


 32.9910, 17.0615,
1.5544

 34.4788, 19.2762,
4.3961

 36.2295, 21.8593,
7.8106

 38.7989, 25.6351,
12.8686

 42.2705, 30.7243,
19.7415

 46.7176, 37.2325,
28.5795

■ 52.2059, 45.2548,
39.5167

■ 58.7955, 54.8780,
52.6759

■ 66.5418, 66.1823,
68.1701

■ 75.4966, 79.2426,
86.1048

Harmonies

Analogous

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



38.9614, 17.7421, 13.5218



33.4474, 17.7421, 2.4207



23.8291, 17.7421, 0.0105

Triad

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



33.4474, 17.7421, 2.4207



5.7524, 17.7421, 6.4739



19.2354, 17.7421, 113.6031

Complementary

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



33.4474, 17.7421, 2.4207



42.4894, 61.4098, 85.2145

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.



11.4075, 17.7421, 104.1022



33.4474, 17.7421, 2.4207



5.2558, 17.7421, 26.5715

Square

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



33.4474, 17.7421, 2.4207



8.6393, 17.7421, 0.8914



6.9327, 17.7421, 65.1453



29.1279, 17.7421, 85.3804

Rectangle

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



33.4474, 17.7421, 2.4207



17.4647, 17.7421, 0.0000



6.9327, 17.7421, 65.1453



16.2759, 17.7421, 114.9755

Sweetspot

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



33.4478, 17.7432, 2.4209



67.9207, 60.4151, 54.6195



47.6653, 23.3320, 77.5919



13.9670, 12.0974, 10.5516



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.



33.4478, 17.7432, 2.4209



41.2801, 21.3403, 1.9434



40.6244, 32.0965, 4.8131



14.3937, 14.4012, 14.9255



18.5031, 9.5804, 0.8740



1.3733, 0.7199, 0.0666

Inverse Universe

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



42.4894, 61.4098, 85.2145



52.6420, 76.4039, 106.5807



22.2794, 20.9898, 78.4778



14.7886, 16.2986, 18.5108



23.5943, 34.2507, 47.7507



1.7493, 2.5426, 3.5305

Previews

White Background



This preview shows how the XYZ color 33.4474, 17.7421, 2.4207 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 33.4474, 17.7421, 2.4207 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 33.4474, 17.7421, 2.4207

Background



This preview shows how black text looks on a background with the XYZ color 33.4474, 17.7421, 2.4207.



This preview shows how white text looks on a background with the XYZ color 33.4474, 17.7421,

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

33.4474, 17.7421, 2.4207

Protanopia

16.3944, 18.0225, 4.7124

Deuteranopia

18.1886, 17.9779, 2.5114



Tritanopia

33.4118, 17.7279, 2.2331

Trichromacy



Original Color

33.4474, 17.7421, 2.4207

Protanomaly

19.6075, 14.7810, 3.3330

Deuteranomaly

21.5029, 15.3386, 2.0570

Tritanomaly

33.4202, 17.7312, 2.2771

Monochromacy



Original Color

33.4474, 17.7421, 2.4207

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

13.3781, 9.5146, 5.8340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4474, 17.7421, 2.4207 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, 25, 22)` looks like.

```
.text, #text, p{  
    color:rgb(231, 25, 22)  
}
```

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, 25, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 25, 22) }
```

Border

The CSS property to change the border of an element to XYZ 33.4474, 17.7421, 2.4207 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, 25, 22) }
```


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

```
.border{ border-color:rgb(231, 25, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 25, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 25, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 25, 22);  
box-shadow:4px 4px 4px 4px rgb(231, 25,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4474, 17.7421, 2.4207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 25, 22) }
```

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

```
.background{ background-color: rgb(231, 25,  
22) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor