

Converting Colors

XYZ(33.8152, 17.3723, 4.2978)

Have a look what the booklet for
XYZ(33.8152, 17.3723, 4.2978)
contains.

XYZ(33.7918, 17.3610, 4.2593)	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(33.7918, 17.3610,
4.2593)**

Conversions

Conversions Part 1

Format	Color
Hex	E8002F
RGB	232, 0, 47
RGB Percent	91%, 0%, 18%
CMY	0.0902, 0.9998, 0.8157
CMYK	0.00, 1.00, 0.80, 0.09
HSL	348°, 100%, 46%
HSV	348°, 100%, 91%
XYZ	33.7918, 17.3610, 4.2593
YIQ	74.7260, 123.1850, 63.8010

Conversions

Conversions Part 2

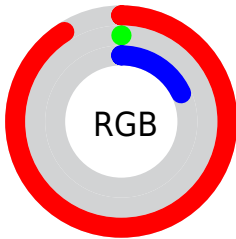
Format	Color
R_{YB}	232, 0, 47
Decimal	15204399
CIE _{Lab}	48.71, 75.28, 43.68
CIE _{LCh}	49, 87.035, 30.123
Yxy	17.3610, 0.6098, 0.3133
Android (android.graphics.Color)	4293394479 (0xFFE8002F)
YUV	74.7260, -13.6689, 137.9293
Hunter-Lab	41.6665, 71.8481, 23.1057

Details

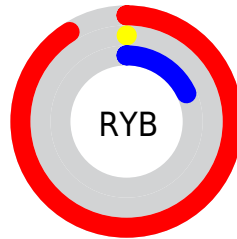
The XYZ color **33.7918, 17.3610, 4.2593** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **37.6197, 61.2182, 55.7620**, and the grayscale version is **6.6521, 6.9985, 7.6214**.

A 20% lighter version of the original color is **47.0875, 29.7224, 13.8449**, and **15.9528, 8.2221, 0.8324** is the 20% darker color. If you saturate the color by 10%, you get **33.7907, 17.3606, 4.2547**, and if you desaturate by 10%, it is **34.5588, 18.1662, 6.7630**.

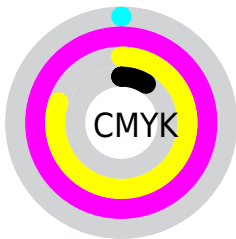
Distribution



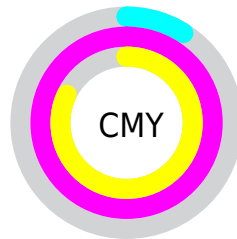
- Red (91%)
- Green (0%)
- Blue (18%)



- Red (91%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7918, 17.3610, 4.2593 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 33.7918, 17.3610, 4.2593 by changing the saturation by 10% instead.

 33.7918, 17.3610,
4.2593


 33.7918, 17.3610,
4.2593


310.8050,
237.2442, 151.0653


 22.8958, 10.4922,
1.7686

 64.9562, 38.9454,
14.6035


 14.6369, 5.7265,
0.4072


 85.9554, 54.4298,
23.2941

 8.6496, 2.6795,
0.0000


 111.0530, 73.5549,
34.8885

 4.5686, 0.9668,
0.0000

 140.6144, 96.7051,
49.8051

 2.0286, 0.0000,
0.0000

 175.0049,
124.2647, 68.4626

 0.6499, 0.0000,
0.0000

 214.5899,

 0.0000, 0.0000,

156.6182, 91.2794

0.0000

259.7348,
194.1499, 118.6741

■ 33.7918, 17.3610,
4.2593

■ 33.7918, 17.3610,
4.2593

■ 33.7907, 17.3606,
4.2547

■ 34.5588, 18.1662,
6.7630

■ 35.8739, 19.7856,
10.3175

■ 37.8709, 22.4624,
15.0438

■ 40.6323, 26.3397,
21.0372

■ 44.2285, 31.5383,
28.3828

■ 48.7217, 38.1641,
37.1579

■ 54.1679, 46.3122,
47.4339

■ 60.6187, 56.0695,
59.2776

■ 68.1218, 67.5164,
72.7513

Harmonies

Analogous

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



37.2687, 17.3610, 18.8082



33.7918, 17.3610, 4.2593



25.4535, 17.3610, 0.5955

Triad

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



33.7918, 17.3610, 4.2593



6.4044, 17.3610, 4.3206



16.5344, 17.3610, 106.6225

Complementary

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



33.7918, 17.3610, 4.2593



37.6197, 61.2182, 55.7620

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.



9.9406, 17.3610, 89.0573



33.7918, 17.3610, 4.2593



5.3731, 17.3610, 18.9985

Square

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



33.7918, 17.3610, 4.2593



9.8997, 17.3610, 0.6086



6.4221, 17.3610, 50.9302



25.5304, 17.3610, 88.7902

Rectangle

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



33.7918, 17.3610, 4.2593



19.2950, 17.3610, 0.0000



6.4221, 17.3610, 50.9302



13.9909, 17.3610, 104.5587

Sweetspot

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



33.7922, 17.3621, 4.2595



66.9958, 57.1944, 58.5379



33.7971, 15.7413, 77.6005



13.6979, 11.2784, 11.3277



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.



33.7922, 17.3621, 4.2595



41.8511, 21.5045, 5.1482



35.2137, 21.0257, 2.2040



14.4957, 14.4155, 15.5447



18.7954, 9.6524, 2.5519



1.4218, 0.7264, 0.3617

Inverse Universe

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



33.7922, 17.3621, 4.2595



41.8511, 21.5045, 5.1482



28.2535, 33.2014, 81.2628



14.4957, 14.4155, 15.5447



18.7954, 9.6524, 2.5519



1.4218, 0.7264, 0.3617

Previews

White Background



This preview shows how the XYZ color 33.7918, 17.3610, 4.2593 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 33.7918, 17.3610, 4.2593 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 33.7918, 17.3610, 4.2593

Background



This preview shows how black text looks on a background with the XYZ color 33.7918, 17.3610, 4.2593.



This preview shows how white text looks on a background with the XYZ color 33.7918, 17.3610,

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

33.7918, 17.3610, 4.2593

Protanopia

16.5831, 18.0271, 8.9089

Deuteranopia

18.2413, 17.9780, 3.7370



Tritanopia

33.2052, 17.4892, 1.6257

Trichromacy



Original Color

33.7918, 17.3610, 4.2593



Protanomaly

19.1674, 13.5093, 6.4478



Deuteranomaly

21.1621, 14.2176, 3.2980



Tritanomaly

33.2001, 17.3172, 2.1230

Monochromacy



Original Color

33.7918, 17.3610, 4.2593



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

11.5268, 7.4011, 5.8221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7918, 17.3610, 4.2593 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, 47)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 47)  
}
```

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, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 47) }
```

Border

The CSS property to change the border of an element to XYZ 33.7918, 17.3610, 4.2593 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, 47) }
```


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

```
.border{ border-color:rgb(232, 0, 47) }
```

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, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 47);  
box-shadow:4px 4px 4px 4px rgb(232, 0, 47)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.7918, 17.3610, 4.2593 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, 47) }
```

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

```
.background{ background-color: rgb(232, 0,  
47) }
```

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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