

Converting Colors

XYZ(33.7496, 17.5712, 3.2579)

Have a look what the booklet for
XYZ(33.7496, 17.5712, 3.2579)
contains.

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Color

**XYZ(33.7411, 17.5710,
3.2823)**

Conversions

Conversions Part 1

Format	Color
Hex	E80D24
RGB	232, 13, 36
RGB Percent	91%, 5%, 14%
CMY	0.0902, 0.9488, 0.8588
CMYK	0.00, 0.94, 0.84, 0.09
HSL	354°, 89%, 48%
HSV	354°, 94%, 91%
XYZ	33.7411, 17.5710, 3.2823
YIQ	81.1030, 123.1410, 53.5810

Conversions

Conversions Part 2

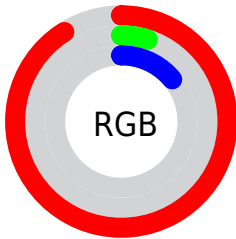
Format	Color
R_{YB}	232, 13, 36
Decimal	15207716
CIE Lab	48.97, 73.98, 49.78
CIE LCh	49, 89.169, 33.932
Yxy	17.5710, 0.6180, 0.3218
Android (android.graphics.Color)	4293397796 (0xFFE80D24)
YUV	81.1030, -22.2358, 132.3367
Hunter-Lab	41.9178, 70.3248, 24.6998

Details

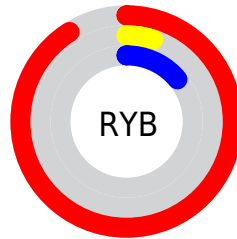
The XYZ color **33.7411, 17.5710, 3.2823** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **40.5373, 62.4045, 70.2596**, and the grayscale version is **7.8719, 8.2819, 9.0190**.

A 20% lighter version of the original color is **46.8935, 30.0690, 11.5159**, and **15.7259, 8.1070, 0.7360** is the 20% darker color. If you saturate the color by 10%, you get **33.4467, 17.2230, 2.4434**, and if you desaturate by 10%, it is **34.6496, 18.7255, 5.6289**.

Distribution



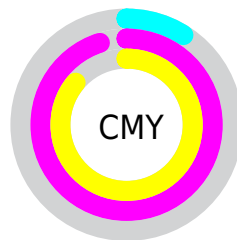
- Red (91%)
- Green (5%)
- Blue (14%)



- Red (91%)
- Yellow (5%)
- Blue (14%)



- Cyan (0%)
- Magenta (94%)
- Yellow (84%)
- Black (9%)





- Cyan (9%)
- Magenta (95%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7411, 17.5710, 3.2823 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 33.7411, 17.5710, 3.2823 by changing the saturation by 10% instead.

 33.7411, 17.5710,
3.2823


 33.7411, 17.5710,
3.2823


310.5824,
238.4417, 139.8787


 22.8567, 10.6424,
1.2405


 64.8778, 39.3049,
12.3174


 14.6079, 5.8269,
0.0123


 85.8609, 54.8791,
20.1479

 8.6292, 2.7401,
0.0000


 110.9409, 74.1039,
30.7449

 4.5553, 0.9976,
0.0000

 140.4832, 97.3638,
44.5272

 2.0208, 0.0000,
0.0000

 174.8531,
125.0431, 61.9131


 0.6456, 0.0000,
0.0000


 214.4160,


 0.0000, 0.0000,


157.5263, 83.3213


0.0000


 259.5373,
195.1977, 109.1704


 33.7411, 17.5710,
3.2823


 33.7411, 17.5710,
3.2823


 33.4467, 17.2230,
2.4434

 34.6496, 18.7255,
5.6289

 36.2241, 20.8732,
9.2406

 38.5638, 24.1759,
14.2646

 41.7508, 28.7658,
20.8273

 45.8567, 34.7572,
29.0409

■ 50.9452, 42.2516,
39.0073

■ 57.0745, 51.3413,
50.8199

■ 64.2982, 62.1110,
64.5656

■ 72.6662, 74.6395,
80.3258

Harmonies

Analogous

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



38.2066, 17.5710, 16.1666



33.7411, 17.5710, 3.2823



24.7374, 17.5710, 0.3031

Triad

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



33.7411, 17.5710, 3.2823



6.0786, 17.5710, 5.2592



17.8188, 17.5710, 110.4893

Complementary

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



33.7411, 17.5710, 3.2823



40.5373, 62.4045, 70.2596

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.



10.6257, 17.5710, 96.5105



33.7411, 17.5710, 3.2823



5.3058, 17.5710, 22.4392

Square

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



33.7411, 17.5710, 3.2823



9.2847, 17.5710, 0.7307



6.6536, 17.5710, 57.6457



27.2822, 17.5710, 87.5849

Rectangle

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



33.7411, 17.5710, 3.2823



18.4443, 17.5710, 0.0000



6.6536, 17.5710, 57.6457



15.0706, 17.5710, 110.0124

Sweetspot

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



33.7415, 17.5721, 3.2825



67.7109, 59.1404, 57.1860



40.2900, 19.3022, 77.9456



13.7994, 11.6306, 10.9017



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.



33.7415, 17.5721, 3.2825



41.4348, 21.3379, 2.9556



37.6242, 25.7303, 3.3658



14.4381, 14.3924, 15.2414



18.5902, 9.5703, 1.4708



1.3945, 0.7155, 0.2181

Inverse Universe

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



33.7415, 17.5721, 3.2825



41.4348, 21.3379, 2.9556



25.3326, 27.1131, 80.2416



14.4381, 14.3924, 15.2414



18.5902, 9.5703, 1.4708



1.3945, 0.7155, 0.2181

Previews

White Background



This preview shows how the XYZ color 33.7411, 17.5710, 3.2823 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 33.7411, 17.5710, 3.2823 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 33.7411, 17.5710, 3.2823

Background



This preview shows how black text looks on a background with the XYZ color 33.7411, 17.5710, 3.2823.



This preview shows how white text looks on a background with the XYZ color 33.7411, 17.5710,

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

33.7411, 17.5710, 3.2823

Protanopia

16.4481, 18.0082, 6.6120

Deuteranopia

18.0789, 17.7584, 2.4749



Tritanopia

33.5289, 17.6561, 1.6408

Trichromacy



Original Color

33.7411, 17.5710, 3.2823

Protanomaly

19.3807, 14.1831, 4.7337

Deuteranomaly

21.1791, 14.6449, 2.0913

Tritanomaly

33.5518, 17.5858, 2.0068

Monochromacy



Original Color

33.7411, 17.5710, 3.2823

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

12.5217, 8.4442, 5.9710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7411, 17.5710, 3.2823 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, 13, 36)` looks like.

```
.text, #text, p{  
    color:rgb(232, 13, 36)  
}
```

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, 13, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 13, 36) }
```

Border

The CSS property to change the border of an element to XYZ 33.7411, 17.5710, 3.2823 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, 13, 36) }
```


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

```
.border{ border-color:rgb(232, 13, 36) }
```

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

Here you see how a box with a 4 pixel rgb(232, 13, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 13, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 13, 36);  
box-shadow:4px 4px 4px 4px rgb(232, 13,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7411, 17.5710, 3.2823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 13, 36) }
```

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

```
.background{ background-color: rgb(232, 13,  
36) }
```

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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