

Converting Colors

XYZ(33.0821, 17.5485, 8.5732)

Have a look what the booklet for
XYZ(33.0821, 17.5485, 8.5732)
contains.

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Color

**XYZ(33.1430, 17.5833,
8.6683)**

Conversions

Conversions Part 1

Format	Color
Hex	E21D4D
RGB	226, 29, 77
RGB Percent	89%, 11%, 30%
CMY	0.1137, 0.8862, 0.6980
CMYK	0.00, 0.87, 0.66, 0.11
HSL	345°, 77%, 50%
HSV	345°, 87%, 89%
XYZ	33.1430, 17.5833, 8.6683
YIQ	93.3750, 102.0040, 56.6920

Conversions

Conversions Part 2

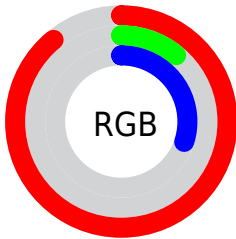
Format	Color
RYB	226, 29, 77
Decimal	14818637
CIELab	48.99, 71.81, 26.01
CIElCh	49, 76.378, 19.909
Yxy	17.5833, 0.5580, 0.2960
Android (android.graphics.Color)	4293008717 (0xFFE21D4D)
YUV	93.3750, -8.0729, 116.3121
Hunter-Lab	41.9324, 67.7029, 17.0962

Details

The XYZ color **33.1430, 17.5833, 8.6683** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **35.7417, 57.8693, 51.4173**, and the grayscale version is **10.4964, 11.0430, 12.0259**.

A 20% lighter version of the original color is **49.5631, 31.8807, 23.2800**, and **15.1890, 7.7969, 2.2178** is the 20% darker color. If you saturate the color by 10%, you get **32.2467, 16.6334, 5.7728**, and if you desaturate by 10%, it is **34.5998, 19.4010, 12.5334**.

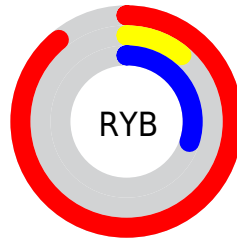
Distribution



Red (89%)

Green (11%)

Blue (30%)



Red (89%)

Yellow (11%)

Blue (30%)

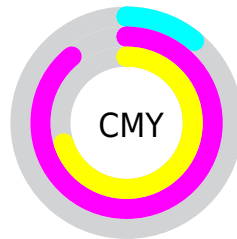


Cyan (0%)

Magenta (87%)

Yellow (66%)

Black (11%)



Cyan (11%)


Magenta (89%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1430, 17.5833, 8.6683 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 33.1430, 17.5833, 8.6683 by changing the saturation by 10% instead.

 33.1430, 17.5833,
8.6683


 33.1430, 17.5833,
8.6683


307.9472,
238.5117, 191.0098


 22.3958, 10.6512,
4.4316


 63.9519, 39.3260,
23.8260


 14.2662, 5.8328,
1.8650


 84.7443, 54.9054,
35.5840

 8.3890, 2.7437,
0.4703


 109.6158, 74.1361,
50.6863

 4.3987, 0.9994,
0.0000

 138.9317, 97.4023,
69.5514

 1.9301, 0.0000,
0.0000

 173.0575,
125.0887, 92.5977

 0.5942, 0.0000,
0.0000

 212.3584,

 0.0000, 0.0000,

157.5794, 120.2439

0.0000

257.1999,
195.2589, 152.9084

■ 33.1430, 17.5833,
8.6683

■ 33.1430, 17.5833,
8.6683

■ 32.2467, 16.6334,
5.7728

■ 34.5998, 19.4010,
12.5334

■ 32.0546, 16.4450,
5.1050

■ 36.7074, 22.2480,
17.4538

■ 39.5374, 26.2515,
23.5043

■ 43.1515, 31.5194,
30.7522

■ 47.6044, 38.1472,
39.2593

■ 52.9458, 46.2210,
49.0830

■ 59.2215, 55.8200,
60.2769

■ 66.4741, 67.0174,
72.8918

■ 74.7435, 79.8817,
86.9757

Harmonies

Analogous

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



34.1080, 17.5833, 26.8572



33.1430, 17.5833, 8.6683



27.1529, 17.5833, 2.0977

Triad

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



33.1430, 17.5833, 8.6683



8.2839, 17.5833, 3.3803



14.4297, 17.5833, 89.3477

Complementary

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



33.1430, 17.5833, 8.6683



35.7417, 57.8693, 51.4173

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.



9.3639, 17.5833, 67.4320



33.1430, 17.5833, 8.6683



6.5430, 17.5833, 13.0720

Square

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



33.1430, 17.5833, 8.6683



12.4760, 17.5833, 0.8842



6.8724, 17.5833, 35.8116



21.8132, 17.5833, 84.5916

Rectangle

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



33.1430, 17.5833, 8.6683



21.8621, 17.5833, 0.8900



6.8724, 17.5833, 35.8116



12.4424, 17.5833, 84.4769

Sweetspot

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



33.1434, 17.5844, 8.6686



70.3743, 61.9267, 65.9058



32.2432, 15.6893, 73.2801



14.5006, 12.4002, 13.0862



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.



33.1434, 17.5844, 8.6686



42.1125, 21.6090, 6.5247



34.3294, 21.7443, 3.5516



13.8434, 13.7550, 14.9457



18.3266, 9.3976, 3.1197



1.3054, 0.6654, 0.4011

Inverse Universe

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



33.1434, 17.5844, 8.6686



42.1125, 21.6090, 6.5247



29.9086, 37.1003, 77.5359



13.8434, 13.7550, 14.9457



18.3266, 9.3976, 3.1197



1.3054, 0.6654, 0.4011

Previews

White Background



This preview shows how the XYZ color 33.1430, 17.5833, 8.6683 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 33.1430, 17.5833, 8.6683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

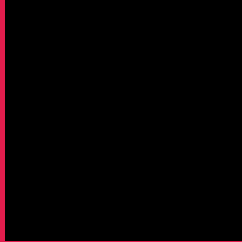
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.1430, 17.5833, 8.6683

Background



This preview shows how black text looks on a background with the XYZ color 33.1430, 17.5833, 8.6683.



This preview shows how white text looks on a background with the XYZ color 33.1430, 17.5833,

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

33.1430, 17.5833, 8.6683

Protanopia

17.0609, 17.9133, 17.3103

Deuteranopia

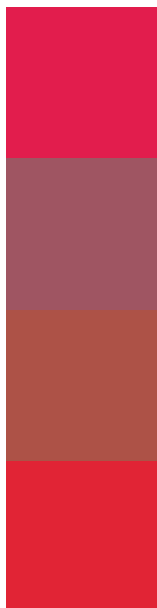
18.1350, 17.8332, 7.7965



Tritanopia

32.1763, 17.6716, 3.6345

Trichromacy



Original Color

33.1430, 17.5833, 8.6683

Protanomaly

19.7512, 14.7498, 13.3613

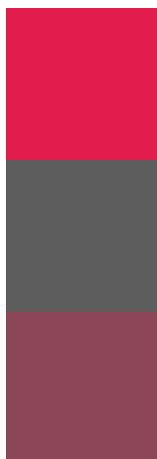
Deuteranomaly

21.3882, 15.3738, 7.8014

Tritanomaly

32.3248, 17.5263, 5.0474

Monochromacy



Original Color

33.1430, 17.5833, 8.6683

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

14.8950, 10.7312, 10.3031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1430, 17.5833, 8.6683 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(226, 29, 77)` looks like.

```
.text, #text, p{  
    color:rgb(226, 29, 77)  
}
```

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(226, 29, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 29, 77) }
```

Border

The CSS property to change the border of an element to XYZ 33.1430, 17.5833, 8.6683 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(226, 29, 77) }
```


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

```
.border{ border-color:rgb(226, 29, 77) }
```

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

Here you see how a box with a 4 pixel rgb(226, 29, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 29, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 29, 77);  
box-shadow:4px 4px 4px 4px rgb(226, 29,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1430, 17.5833, 8.6683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 29, 77) }
```

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

```
.background{ background-color: rgb(226, 29,  
77) }
```

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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