

Converting Colors

XYZ(33.7944, 17.5879, 11.4330)

Have a look what the booklet for
XYZ(33.7944, 17.5879, 11.4330)
contains.

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Color

**XYZ(33.8170, 17.5865,
11.5097)**

Conversions

Conversions Part 1

Format	Color
Hex	E3145B
RGB	227, 20, 91
RGB Percent	89%, 8%, 36%
CMY	0.1098, 0.9214, 0.6431
CMYK	0.00, 0.91, 0.60, 0.11
HSL	339°, 84%, 48%
HSV	339°, 91%, 89%
XYZ	33.8170, 17.5865, 11.5097
YIQ	89.9870, 100.5810, 65.9650

Conversions

Conversions Part 2

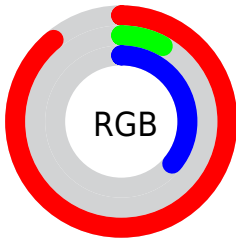
Format	Color
R_{YB}	227, 20, 91
Decimal	14881883
CIE _{Lab}	48.99, 74.17, 17.49
CIE _{LCh}	49, 76.200, 13.268
Yxy	17.5865, 0.5375, 0.2795
Android (android.graphics.Color)	4293071963 (0xFFE3145B)
YUV	89.9870, 0.4994, 120.1604
Hunter-Lab	41.9363, 70.5522, 13.0828

Details

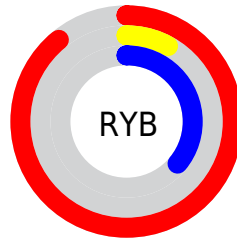
The XYZ color **33.8170, 17.5865, 11.5097** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **33.7614, 57.4883, 40.7832**, and the grayscale version is **9.7021, 10.2074, 11.1158**.

A 20% lighter version of the original color is **50.3224, 31.7325, 28.6720**, and **15.8030, 8.0898, 3.3133** is the 20% darker color. If you saturate the color by 10%, you get **33.0477, 16.8785, 8.6932**, and if you desaturate by 10%, it is **35.1297, 19.0780, 15.4438**.

Distribution



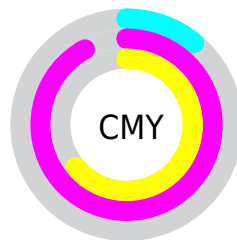
- Red (89%)
- Green (8%)
- Blue (36%)



- Red (89%)
- Yellow (8%)
- Blue (36%)



- Cyan (0%)
- Magenta (91%)
- Yellow (60%)
- Black (11%)





- Cyan (11%)
- Magenta (92%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8170, 17.5865, 11.5097 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 33.8170, 17.5865, 11.5097 by changing the saturation by 10% instead.


 33.8170, 17.5865,
11.5097


 33.8170, 17.5865,
11.5097

310.9156,
238.5299, 211.9932


 22.9153, 10.6535,
6.2923


 64.9952, 39.3315,
29.2498


 14.6513, 5.8344,
2.9520


 86.0023, 54.9122,
42.6097


 8.6598, 2.7446,
1.0702


 111.1087, 74.1444,
59.5207

 4.5752, 0.9999,
0.0000

 140.6795, 97.4124,
80.4015

 2.0324, 0.0000,
0.0000

 175.0803,
125.1005, 105.6706

 0.6521, 0.0000,
0.0000

 214.6763,

 0.0000, 0.0000,

157.5932, 135.7466

0.0000

259.8330,
195.2749, 171.0479

■ 33.8170, 17.5865,
11.5097

■ 33.8170, 17.5865,
11.5097

■ 33.0477, 16.8785,
8.6932

■ 35.1297, 19.0780,
15.4438

■ 37.0345, 21.5375,
20.2406

■ 39.6050, 25.1023,
25.9569

■ 42.9032, 29.8865,
32.6432

■ 46.9835, 35.9896,
40.3458

■ 51.8948, 43.5011,
49.1077

■ 57.6819, 52.5024,
58.9692

■ 64.3866, 63.0687,
69.9685

■ 72.0474, 75.2701,
82.1417

Harmonies

Analogous

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



33.4767, 17.5865, 32.7414



33.8170, 17.5865, 11.5097



28.7451, 17.5865, 2.9142

Triad

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



33.8170, 17.5865, 11.5097



9.0009, 17.5865, 2.4636



13.0878, 17.5865, 86.2126

Complementary

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



33.8170, 17.5865, 11.5097



33.7614, 57.4883, 40.7832

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.



8.6204, 17.5865, 60.3433



33.8170, 17.5865, 11.5097



6.7599, 17.5865, 9.9600

Square

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



33.8170, 17.5865, 11.5097



13.7763, 17.5865, 0.7202



6.6438, 17.5865, 29.5861



20.0454, 17.5865, 87.8902

Rectangle

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



33.8170, 17.5865, 11.5097



23.6327, 17.5865, 1.1592



6.6438, 17.5865, 29.5861



11.2998, 17.5865, 79.5189

Sweetspot

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



33.8174, 17.5876, 11.5100



70.4333, 61.0822, 68.8929



27.5492, 12.9726, 73.7246



14.5448, 12.2519, 13.8307



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.



33.8174, 17.5876, 11.5100



42.9783, 21.9553, 11.0836



32.9921, 18.7558, 2.5447



14.5799, 14.4492, 15.9884



19.3229, 9.8634, 5.3296



1.4703, 0.7458, 0.6170

Inverse Universe

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



33.8174, 17.5876, 11.5100



42.9783, 21.9553, 11.0836



33.8838, 45.1543, 79.6024



14.5799, 14.4492, 15.9884



19.3229, 9.8634, 5.3296



1.4703, 0.7458, 0.6170

Previews

White Background



This preview shows how the XYZ color 33.8170, 17.5865, 11.5097 looks on a white background.

Color Contrast Check

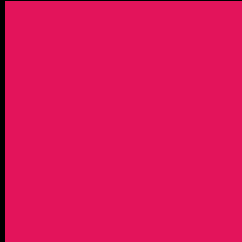
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8170, 17.5865, 11.5097 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 33.8170, 17.5865, 11.5097

Background



This preview shows how black text looks on a background with the XYZ color 33.8170, 17.5865, 11.5097.

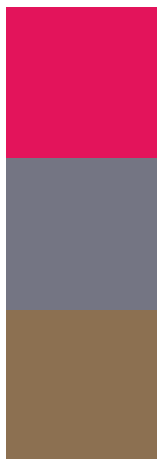


This preview shows how white text looks on a background with the XYZ color 33.8170, 17.5865,

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

33.8170, 17.5865, 11.5097

Protanopia

17.6605, 18.0743, 24.0306

Deuteranopia

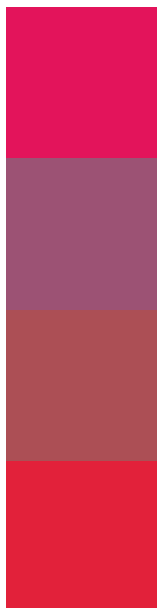
18.0946, 17.7579, 10.2585



Tritanopia

32.1763, 17.6716, 3.6345

Trichromacy



Original Color

33.8170, 17.5865, 11.5097

Protanomaly

19.8800, 14.3635, 18.2476

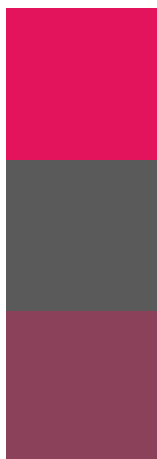
Deuteranomaly

21.4489, 15.0185, 10.3627

Tritanomaly

32.6716, 17.5620, 5.6708

Monochromacy



Original Color

33.8170, 17.5865, 11.5097

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

14.5510, 10.0942, 10.8543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8170, 17.5865, 11.5097 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(227, 20, 91)` looks like.

```
.text, #text, p{  
    color:rgb(227, 20, 91)  
}
```

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(227, 20, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 20, 91) }
```

Border

The CSS property to change the border of an element to XYZ 33.8170, 17.5865, 11.5097 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(227, 20, 91) }
```


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

```
.border{ border-color:rgb(227, 20, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 20, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 20, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 20, 91);  
box-shadow:4px 4px 4px 4px rgb(227, 20,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8170, 17.5865, 11.5097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 20, 91) }
```

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

```
.background{ background-color: rgb(227, 20,  
91) }
```

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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