

Converting Colors

XYZ(36.3948, 19.3637, 10.5282)

Have a look what the booklet for
XYZ(36.3948, 19.3637, 10.5282)
contains.

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Color

**XYZ(36.4845, 19.4218,
10.6299)**

Conversions

Conversions Part 1

Format	Color
Hex	EB2156
RGB	235, 33, 86
RGB Percent	92%, 13%, 34%
CMY	0.0784, 0.8705, 0.6627
CMYK	0.00, 0.86, 0.63, 0.08
HSL	344°, 83%, 53%
HSV	344°, 86%, 92%
XYZ	36.4845, 19.4218, 10.6299
YIQ	99.4400, 103.3790, 59.3070

Conversions

Conversions Part 2

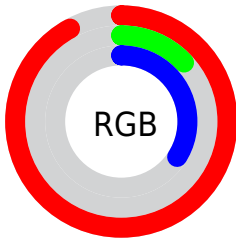
Format	Color
R_{YB}	235, 33, 86
Decimal	15409494
CIE Lab	51.18, 73.82, 23.73
CIE LCh	51, 77.543, 17.820
Yxy	19.4218, 0.5483, 0.2919
Android (android.graphics.Color)	4293599574 (0xFFEB2156)
YUV	99.4400, -6.6259, 118.8861
Hunter-Lab	44.0702, 70.6525, 16.5481

Details

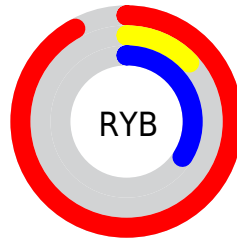
The XYZ color **36.4845, 19.4218, 10.6299** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **38.7820, 63.1183, 54.4075**, and the grayscale version is **11.9717, 12.5951, 13.7161**.

A 20% lighter version of the original color is **50.5635, 32.9099, 26.6089**, and **17.2125, 8.8251, 2.9867** is the 20% darker color. If you saturate the color by 10%, you get **35.4279, 18.2943, 7.2396**, and if you desaturate by 10%, it is **38.1655, 21.5275, 15.0643**.

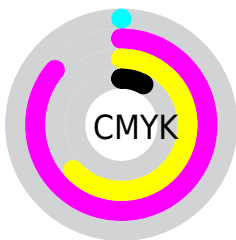
Distribution



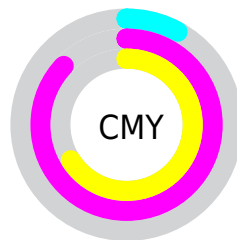
- Red (92%)
- Green (13%)
- Blue (34%)



- Red (92%)
- Yellow (13%)
- Blue (34%)



- Cyan (0%)
- Magenta (86%)
- Yellow (63%)
- Black (8%)





- Cyan (8%)
- Magenta (87%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4845, 19.4218, 10.6299 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 36.4845, 19.4218, 10.6299 by changing the saturation by 10% instead.


 36.4845, 19.4218,
10.6299

 36.4845, 19.4218,
10.6299


322.4677,
248.7675, 205.7560


 24.9805, 11.9755,
5.7075

 69.0982, 42.4456,
27.5998


 16.1911, 6.7270,
2.6022


 90.9386, 58.7919,
40.4845


 9.7512, 3.2919,
0.8936


 116.9552, 78.8736,
56.8603

 5.2953, 1.2860,
0.0000

 147.5132,
103.0752, 77.1459

 2.4581, 0.1303,
0.0000

 182.9781,
131.7809, 101.7597

 0.8742, 0.0000,
0.0000

223.7153,

 0.0000, 0.0000,

165.3753, 131.1203

0.0000

270.0900,
204.2427, 165.6462

■ 36.4845, 19.4218,
10.6299

■ 36.4845, 19.4218,
10.6299

■ 35.4279, 18.2943,
7.2396

■ 38.1655, 21.5275,
15.0643

■ 35.1203, 18.0059,
6.1300

■ 40.5623, 24.7753,
20.6283

■ 43.7513, 29.3023,
27.3980

■ 47.7986, 35.2251,
35.4422

■ 52.7628, 42.6471,
44.8242

■ 58.6975, 51.6617,
55.6029

■ 65.6518, 62.3550,
67.8336

■ 73.6716, 74.8067,
81.5683

■ 82.7999, 89.0912,
96.8567

Harmonies

Analogous

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



37.0827, 19.4218, 31.4333



36.4845, 19.4218, 10.6299



30.3159, 19.4218, 2.7052

Triad

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



36.4845, 19.4218, 10.6299



9.5064, 19.4218, 3.5272



15.5044, 19.4218, 95.7625

Complementary

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



36.4845, 19.4218, 10.6299



38.7820, 63.1183, 54.4075

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.



10.1850, 19.4218, 70.8203



36.4845, 19.4218, 10.6299



7.4267, 19.4218, 13.3922

Square

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



36.4845, 19.4218, 10.6299



14.2829, 19.4218, 1.0084



7.6345, 19.4218, 36.9907



23.3807, 19.4218, 92.8317

Rectangle

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



36.4845, 19.4218, 10.6299



24.6436, 19.4218, 1.1607



7.6345, 19.4218, 36.9907



13.4081, 19.4218, 89.9008

Sweetspot

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



36.4850, 19.4230, 10.6302



70.5246, 61.9869, 66.6974



34.6285, 16.9278, 80.0390



14.5355, 12.4142, 13.2702



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.



36.4850, 19.4230, 10.6302



42.2496, 21.6639, 7.2467



37.4153, 23.5315, 4.0106



15.2277, 15.1189, 16.4841



19.5908, 10.0390, 3.6464



1.5769, 0.8037, 0.4891

Inverse Universe

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



36.4850, 19.4230, 10.6302



42.2496, 21.6639, 7.2467



33.5791, 42.2335, 84.9788



15.2277, 15.1189, 16.4841



19.5908, 10.0390, 3.6464



1.5769, 0.8037, 0.4891

Previews

White Background



This preview shows how the XYZ color 36.4845, 19.4218, 10.6299 looks on a white 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

Black Background



This preview shows how the XYZ color 36.4845, 19.4218, 10.6299 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 36.4845, 19.4218, 10.6299

Background



This preview shows how black text looks on a background with the XYZ color 36.4845, 19.4218, 10.6299.



This preview shows how white text looks on a background with the XYZ color 36.4845, 19.4218,

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

36.4845, 19.4218, 10.6299

Protanopia

18.9298, 19.6842, 21.2141

Deuteranopia

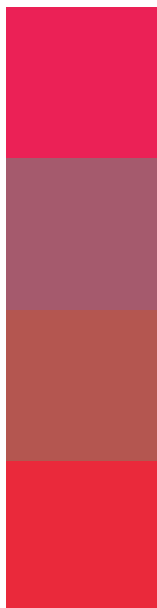
19.8785, 19.5403, 9.5614



Tritanopia

35.3247, 19.5510, 4.2948

Trichromacy



Original Color

36.4845, 19.4218, 10.6299

Protanomaly

21.9335, 16.4158, 16.4805

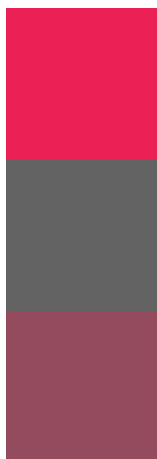
Deuteranomaly

23.5981, 16.9381, 9.6150

Tritanomaly

35.5140, 19.3941, 6.0093

Monochromacy



Original Color

36.4845, 19.4218, 10.6299

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

16.7492, 12.1362, 12.0494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4845, 19.4218, 10.6299 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(235, 33, 86)` looks like.

```
.text, #text, p{  
    color:rgb(235, 33, 86)  
}
```

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(235, 33, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 33, 86) }
```

Border

The CSS property to change the border of an element to XYZ 36.4845, 19.4218, 10.6299 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(235, 33, 86) }
```


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

```
.border{ border-color:rgb(235, 33, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 33, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 33, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 33, 86);  
box-shadow:4px 4px 4px 4px rgb(235, 33,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4845, 19.4218, 10.6299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 33, 86) }
```

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

```
.background{ background-color: rgb(235, 33,  
86) }
```

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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