

Converting Colors

XYZ(34.7900, 14.8743, 18.5729)

Have a look what the booklet for
XYZ(34.7900, 14.8743, 18.5729)
contains.

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Color

**XYZ(36.6085, 18.4877,
19.0918)**

Conversions

Conversions Part 1

Format	Color
Hex	E80077
RGB	232, 0, 119
RGB Percent	91%, 0%, 47%
CMY	0.0902, 0.9998, 0.5333
CMYK	0.00, 1.00, 0.49, 0.09
HSL	329°, 100%, 46%
HSV	329°, 100%, 91%
XYZ	36.6085, 18.4877, 19.0918
YIQ	82.9340, 100.0730, 86.1930

Conversions

Conversions Part 2

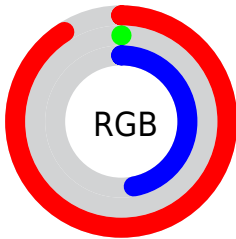
Format	Color
R_{YB}	232, 0, 119
Decimal	15204471
CIE _{Lab}	50.08, 78.95, 1.99
CIE _{LCh}	50, 78.978, 1.446
Yxy	18.4877, 0.4935, 0.2492
Android (android.graphics.Color)	4293394551 (0xFFE80077)
YUV	82.9340, 17.7805, 130.7309
Hunter-Lab	42.9973, 76.7320, 3.7720

Details

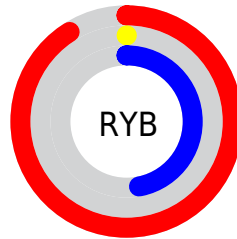
The XYZ color **36.6085, 18.4877, 19.0918** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **31.8407, 58.9068, 25.3298**, and the grayscale version is **8.1651, 8.5903, 9.3549**.

A 20% lighter version of the original color is **52.5934, 32.2057, 41.9724**, and **17.4995, 8.8899, 6.7548** is the 20% darker color. If you saturate the color by 10%, you get **36.6069, 18.4871, 19.0840**, and if you desaturate by 10%, it is **37.6397, 19.3984, 22.9863**.

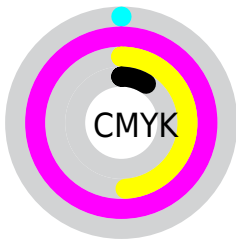
Distribution



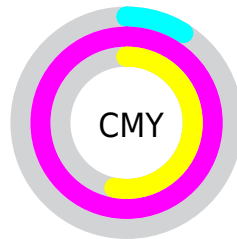
- Red (91%)
- Green (0%)
- Blue (47%)



- Red (91%)
- Yellow (0%)
- Blue (47%)



- Cyan (0%)
- Magenta (100%)
- Yellow (49%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6085, 18.4877, 19.0918 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 36.6085, 18.4877, 19.0918 by changing the saturation by 10% instead.


 36.6085, 18.4877,
19.0918


 36.6085, 18.4877,
19.0918


322.9975,
243.6058, 259.3947


 25.0768, 11.3007,
11.5591


 69.2880, 40.8666,
42.7279


 16.2633, 6.2695,
6.3254


 91.1665, 56.8273,
59.6685


 9.8027, 3.0096,
2.9720


 117.2246, 76.4814,
80.5821

 5.3296, 1.1368,
1.0803

 147.8278,
100.2132, 105.8873

 2.4787, 0.0091,
0.0000

 183.3413,
128.4071, 136.0026

 0.8845, 0.0000,
0.0000

 224.1305,

 0.0000, 0.0000,

161.4476, 171.3466

0.0000

270.5608,
199.7190, 212.3377

■ 36.6085, 18.4877,
19.0918

■ 36.6085, 18.4877,
19.0918

■ 36.6069, 18.4871,
19.0840

■ 37.6397, 19.3984,
22.9863

■ 39.1263, 21.0864,
27.4440

■ 41.1892, 23.7895,
32.5180

■ 43.8998, 27.6463,
38.2441

■ 47.3183, 32.7737,
44.6539

■ 51.4975, 39.2738,
51.7764

■ 56.4852, 47.2384,
59.6380

■ 62.3249, 56.7511,
68.2637

■ 69.0568, 67.8894,
77.6771

Harmonies

Analogous

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



33.7916, 18.4877, 47.5006



36.6085, 18.4877, 19.0918



33.2243, 18.4877, 5.2367

Triad

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



36.6085, 18.4877, 19.0918



10.9964, 18.4877, 1.3735



11.4705, 18.4877, 83.8311

Complementary

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



36.6085, 18.4877, 19.0918



31.8407, 58.9068, 25.3298

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.



7.8192, 18.4877, 50.8185



36.6085, 18.4877, 19.0918



7.6062, 18.4877, 6.0184

Square

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



36.6085, 18.4877, 19.0918



17.2057, 18.4877, 0.5171



6.6360, 18.4877, 21.2051



17.9435, 18.4877, 97.6750

Rectangle

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



36.6085, 18.4877, 19.0918



28.3468, 18.4877, 1.9329



6.6360, 18.4877, 21.2051



9.9458, 18.4877, 73.8189

Sweetspot

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



36.6090, 18.4888, 19.0921



69.8798, 58.3480, 73.7246



21.2685, 9.2825, 77.0145



14.3712, 11.5477, 14.8735



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.



36.6090, 18.4888, 19.0921



45.3212, 22.8925, 23.4212



33.3007, 17.1655, 1.6706



14.6840, 14.4908, 16.5362



20.3867, 10.2889, 10.9314



1.5534, 0.7791, 1.0548

Inverse Universe

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



36.6090, 18.4888, 19.0921



45.3212, 22.8925, 23.4212



42.8794, 63.3223, 83.4588



14.6840, 14.4908, 16.5362



20.3867, 10.2889, 10.9314



1.5534, 0.7791, 1.0548

Previews

White Background



This preview shows how the XYZ color 36.6085, 18.4877, 19.0918 looks on a white background.

Color Contrast Check

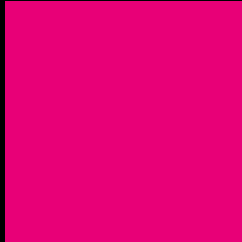
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.6085, 18.4877, 19.0918 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 36.6085, 18.4877, 19.0918

Background



This preview shows how black text looks on a background with the XYZ color 36.6085, 18.4877, 19.0918.



This preview shows how white text looks on a background with the XYZ color 36.6085, 18.4877,

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

36.6085, 18.4877, 19.0918

Protanopia

19.7521, 19.1153, 41.6783

Deuteranopia

19.4381, 19.1451, 17.1389



Tritanopia

33.8427, 18.8963, 4.5530

Trichromacy



Original Color

36.6085, 18.4877, 19.0918



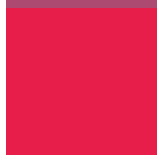
Protanomaly

21.0967, 14.0481, 31.7366



Deuteranomaly

22.4427, 14.8605, 17.3083



Tritanomaly

34.3000, 18.2326, 8.0148

Monochromacy



Original Color

36.6085, 18.4877, 19.0918



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

13.7010, 8.7091, 12.0252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6085, 18.4877, 19.0918 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 119)  
}
```

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, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 119) }
```

Border

The CSS property to change the border of an element to XYZ 36.6085, 18.4877, 19.0918 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, 119) }
```


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

```
.border{ border-color:rgb(232, 0, 119) }
```

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, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 119);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6085, 18.4877, 19.0918 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, 119) }
```

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

```
.background{ background-color: rgb(232, 0,  
119) }
```

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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