

Converting Colors

XYZ(36.4863, 18.4407, 18.3638)

Have a look what the booklet for
XYZ(36.4863, 18.4407, 18.3638)
contains.

XYZ(36.4896, 18.4402, 18.4657)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.4896, 18.4402,
18.4657)**

Conversions

Conversions Part 1

Format	Color
Hex	E80075
RGB	232, 0, 117
RGB Percent	91%, 0%, 46%
CMY	0.0902, 0.9998, 0.5412
CMYK	0.00, 1.00, 0.50, 0.09
HSL	330°, 100%, 46%
HSV	330°, 100%, 91%
XYZ	36.4896, 18.4402, 18.4657
YIQ	82.7060, 100.7150, 85.5710

Conversions

Conversions Part 2

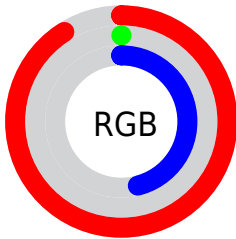
Format	Color
R_{YB}	232, 0, 117
Decimal	15204469
CIE _{Lab}	50.03, 78.80, 3.13
CIE _{LCh}	50, 78.865, 2.277
Yxy	18.4402, 0.4972, 0.2512
Android (android.graphics.Color)	4293394549 (0xFFE80075)
YUV	82.7060, 16.9069, 130.9308
Hunter-Lab	42.9421, 76.5301, 4.5639

Details

The XYZ color **36.4896, 18.4402, 18.4657** 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 **31.9549, 58.9524, 25.9309**, and the grayscale version is **8.1211, 8.5440, 9.3044**.

A 20% lighter version of the original color is **52.4041, 32.1300, 40.9758**, and **17.4364, 8.8647, 6.4223** is the 20% darker color. If you saturate the color by 10%, you get **36.4879, 18.4395, 18.4573**, and if you desaturate by 10%, it is **37.5196, 19.3505, 22.3536**.

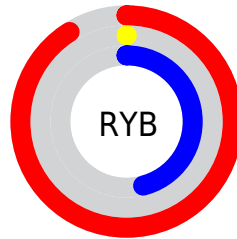
Distribution



Red (91%)

Green (0%)

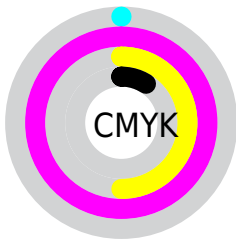
Blue (46%)



Red (91%)

Yellow (0%)

Blue (46%)

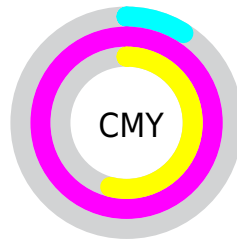


Cyan (0%)

Magenta (100%)

Yellow (50%)

Black (9%)



Cyan (9%)


Magenta (100%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4896, 18.4402, 18.4657 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 36.4896, 18.4402, 18.4657 by changing the saturation by 10% instead.


 36.4896, 18.4402,
18.4657


 36.4896, 18.4402,
18.4657

322.4895,
243.3407, 255.8067


 24.9844, 11.2665,
11.1120


 69.1060, 40.7860,
41.6539


 16.1941, 6.2464,
6.0271


 90.9480, 56.7269,
58.3254


 9.7533, 2.9955,
2.7925


 116.9662, 76.3589,
78.9399

 5.2967, 1.1294,
0.9897

 147.5262,
100.0666, 103.9160

 2.4589, 0.0028,
0.0000

 182.9931,
128.2341, 133.6722

 0.8746, 0.0000,
0.0000

 223.7324,

 0.0000, 0.0000,

161.2461, 168.6270

0.0000

270.1094,
199.4868, 209.1990

■ 36.4896, 18.4402,
18.4657

■ 36.4896, 18.4402,
18.4657

■ 36.4879, 18.4395,
18.4573

■ 37.5196, 19.3505,
22.3536

■ 39.0075, 21.0391,
26.8181

■ 41.0745, 23.7440,
31.9132

■ 43.7921, 27.6038,
37.6754

■ 47.2205, 32.7353,
44.1372

■ 51.4129, 39.2408,
51.3280

■ 56.4169, 47.2121,
59.2750

■ 62.2762, 56.7329,
68.0039

■ 69.0313, 67.8807,
77.5388

Harmonies

Analogous

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



33.8476, 18.4402, 46.4194



36.4896, 18.4402, 18.4657



32.9579, 18.4402, 5.0216

Triad

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



36.4896, 18.4402, 18.4657



10.8406, 18.4402, 1.4275



11.5848, 18.4402, 84.3014

Complementary

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



36.4896, 18.4402, 18.4657



31.9549, 58.9524, 25.9309

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.



7.8685, 18.4402, 51.6229



36.4896, 18.4402, 18.4657



7.5340, 18.4402, 6.2498

Square

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



36.4896, 18.4402, 18.4657



16.9544, 18.4402, 0.5208



6.6269, 18.4402, 21.7820



18.1121, 18.4402, 97.2991

Rectangle

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



36.4896, 18.4402, 18.4657



28.0390, 18.4402, 1.8545



6.6269, 18.4402, 21.7820



10.0379, 18.4402, 74.4761

Sweetspot

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



36.4901, 18.4413, 18.4660



69.7937, 58.3136, 73.2711



21.2687, 9.2827, 77.0144



14.3509, 11.5396, 14.7663



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.



36.4901, 18.4413, 18.4660



45.1739, 22.8336, 22.6455



33.3007, 17.1655, 1.6707



14.6786, 14.4886, 16.5081



20.3204, 10.2624, 10.5824



1.5485, 0.7771, 1.0290

Inverse Universe

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



36.4901, 18.4413, 18.4660



45.1739, 22.8336, 22.6455



42.8794, 63.3222, 83.4587



14.6786, 14.4886, 16.5081



20.3204, 10.2624, 10.5824



1.5485, 0.7771, 1.0290

Previews

White Background



This preview shows how the XYZ color 36.4896, 18.4402, 18.4657 looks on a white background.

Color Contrast Check

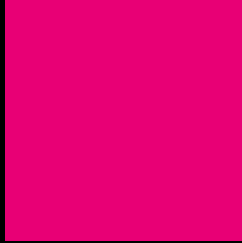
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.4896, 18.4402, 18.4657 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 36.4896, 18.4402, 18.4657

Background



This preview shows how black text looks on a background with the XYZ color 36.4896, 18.4402, 18.4657.



This preview shows how white text looks on a background with the XYZ color 36.4896, 18.4402,

18.4657.

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

36.4896, 18.4402, 18.4657

Protanopia

19.7021, 19.1224, 40.1887

Deuteranopia

19.2158, 18.8707, 16.5395



Tritanopia

33.8032, 18.8172, 4.5398

Trichromacy



Original Color

36.4896, 18.4402, 18.4657



Protanomaly

21.0384, 14.0463, 30.4565



Deuteranomaly

22.3313, 14.8159, 16.7217



Tritanomaly

34.2422, 18.1696, 7.8332

Monochromacy



Original Color

36.4896, 18.4402, 18.4657



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

13.6552, 8.6908, 11.7843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4896, 18.4402, 18.4657 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, 117)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 117)  
}
```

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, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 117) }
```

Border

The CSS property to change the border of an element to XYZ 36.4896, 18.4402, 18.4657 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, 117) }
```


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

```
.border{ border-color:rgb(232, 0, 117) }
```

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, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 117);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4896, 18.4402, 18.4657 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, 117) }
```

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

```
.background{ background-color: rgb(232, 0,  
117) }
```

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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