

Converting Colors

XYZ(37.4529, 19.9726, 18.4058)

Have a look what the booklet for
XYZ(37.4529, 19.9726, 18.4058)
contains.

XYZ(37.4498, 19.9708, 18.4039)	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(37.4498, 19.9708,
18.4039)**

Conversions

Conversions Part 1

Format	Color
Hex	E92674
RGB	233, 38, 116
RGB Percent	91%, 15%, 45%
CMY	0.0863, 0.8509, 0.5451
CMYK	0.00, 0.84, 0.50, 0.09
HSL	336°, 82%, 53%
HSV	336°, 84%, 91%
XYZ	37.4498, 19.9708, 18.4039
YIQ	105.1970, 91.1820, 65.5980

Conversions

Conversions Part 2

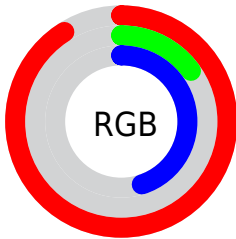
Format	Color
R_{YB}	233, 38, 116
Decimal	15279732
CIE _{Lab}	51.80, 74.30, 6.32
CIE _{LCh}	52, 74.565, 4.864
Yxy	19.9708, 0.4939, 0.2634
Android (android.graphics.Color)	4293469812 (0xFFE92674)
YUV	105.1970, 5.3259, 112.0832
Hunter-Lab	44.6887, 71.3804, 6.8650

Details

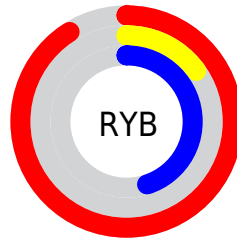
The XYZ color **37.4498, 19.9708, 18.4039** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **35.8568, 61.0573, 40.9136**, and the grayscale version is **13.4517, 14.1522, 15.4118**.

A 20% lighter version of the original color is **53.5656, 34.6025, 40.9015**, and **17.8380, 9.0753, 6.2804** is the 20% darker color. If you saturate the color by 10%, you get **36.1703, 18.6170, 14.2624**, and if you desaturate by 10%, it is **39.3180, 22.3064, 23.3459**.

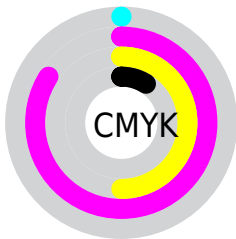
Distribution



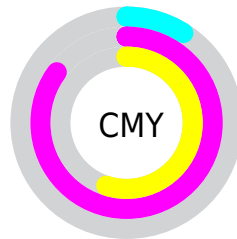
- Red (91%)
- Green (15%)
- Blue (45%)



- Red (91%)
- Yellow (15%)
- Blue (45%)



- Cyan (0%)
- Magenta (84%)
- Yellow (50%)
- Black (9%)





- Cyan (9%)
- Magenta (85%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4498, 19.9708, 18.4039 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 37.4498, 19.9708, 18.4039 by changing the saturation by 10% instead.


 37.4498, 19.9708,
18.4039


 37.4498, 19.9708,
18.4039


326.5756,
251.7570, 255.4500


 25.7312, 12.3738,
11.0679


 70.5734, 43.3682,
41.5476


 16.7543, 6.9988,
5.9978


 92.7091, 59.9375,
58.1923


 10.1537, 3.4614,
2.7750


 119.0479, 80.2662,
78.7771

 5.5640, 1.3771,
0.9809

 149.9551,
104.7389, 103.7204

 2.6200, 0.1997,
0.0000

 185.7962,
133.7400, 133.4408

 0.9561, 0.0000,
0.0000

226.9364,

 0.0000, 0.0000,

167.6537, 168.3569

0.0000

273.7411,
206.8646, 208.8871

■ 37.4498, 19.9708,
18.4039

■ 37.4498, 19.9708,
18.4039

■ 36.1703, 18.6170,
14.2624

■ 39.3180, 22.3064,
23.3459

■ 35.5883, 18.1172,
12.0207


■ 41.8539, 25.7731,
29.1394


■ 45.1249, 30.4982,
35.8309


■ 49.1891, 36.5906,
43.4623

■ 54.0985, 44.1475,
52.0723

 59.9007, 53.2570,
61.6974

 66.6393, 64.0004,
72.3718

 74.3552, 76.4531,
84.1279

 83.0868, 90.6860,
96.9969

Harmonies

Analogous

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



35.4063, 19.9708, 44.6394



37.4498, 19.9708, 18.4039



33.5721, 19.9708, 5.5780

Triad

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



37.4498, 19.9708, 18.4039



11.8290, 19.9708, 2.3548



13.4551, 19.9708, 85.3511

Complementary

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



37.4498, 19.9708, 18.4039



35.8568, 61.0573, 40.9136

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.



9.3822, 19.9708, 55.2561



37.4498, 19.9708, 18.4039



8.6329, 19.9708, 8.4269

Square

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



37.4498, 19.9708, 18.4039



17.7761, 19.9708, 1.0527



7.8736, 19.9708, 25.4674



20.2405, 19.9708, 95.1341

Rectangle

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



37.4498, 19.9708, 18.4039



28.6309, 19.9708, 2.3806



7.8736, 19.9708, 25.4674



11.7879, 19.9708, 76.6073

Sweetspot

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



37.4503, 19.9720, 18.4042



72.4168, 63.6273, 73.9374



28.9206, 14.2399, 78.3149



14.9469, 12.7476, 14.9158



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.



37.4503, 19.9720, 18.4042



43.6376, 22.2190, 14.5555



35.4432, 20.4413, 3.9128



15.3151, 15.1539, 16.9444



20.2509, 10.3031, 7.1226



1.6365, 0.8276, 0.8034

Inverse Universe

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



37.4503, 19.9720, 18.4042



43.6376, 22.2190, 14.5555



39.4286, 54.1369, 85.4620



15.3151, 15.1539, 16.9444



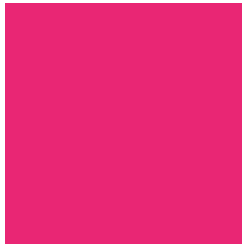
20.2509, 10.3031, 7.1226



1.6365, 0.8276, 0.8034

Previews

White Background



This preview shows how the XYZ color 37.4498, 19.9708, 18.4039 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 37.4498, 19.9708, 18.4039 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 37.4498, 19.9708, 18.4039

Background



This preview shows how black text looks on a background with the XYZ color 37.4498, 19.9708, 18.4039.



This preview shows how white text looks on a background with the XYZ color 37.4498, 19.9708,

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

37.4498, 19.9708, 18.4039

Protanopia

20.4554, 20.3165, 36.5616

Deuteranopia

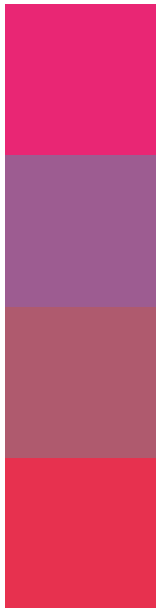
20.4060, 20.0060, 16.6959



Tritanopia

34.8110, 19.9568, 6.0203

Trichromacy



Original Color

37.4498, 19.9708, 18.4039

Protanomaly

22.8426, 16.8667, 28.8397

Deuteranomaly

24.1498, 17.5521, 16.8669

Tritanomaly

35.4646, 19.7501, 9.3401

Monochromacy



Original Color

37.4498, 19.9708, 18.4039

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

18.6516, 13.6644, 16.1224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4498, 19.9708, 18.4039 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(233, 38, 116)` looks like.

```
.text, #text, p{  
    color:rgb(233, 38, 116)  
}
```

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(233, 38, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 38, 116) }
```

Border

The CSS property to change the border of an element to XYZ 37.4498, 19.9708, 18.4039 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(233, 38, 116) }
```


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

```
.border{ border-color:rgb(233, 38, 116) }
```

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

Here you see how a box with a 4 pixel rgb(233, 38, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 38, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 38, 116);  
box-shadow:4px 4px 4px 4px rgb(233, 38,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4498, 19.9708, 18.4039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 38, 116) }
```

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

```
.background{ background-color: rgb(233, 38,  
116) }
```

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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