

Converting Colors

XYZ(32.3827, 10.8327, 14.6281)

Have a look what the booklet for
XYZ(32.3827, 10.8327, 14.6281)
contains.

XYZ(35.9855, 18.2385, 15.8111)	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(35.9855, 18.2385,
15.8111)**

Conversions

Conversions Part 1

Format	Color
Hex	E8006C
RGB	232, 0, 108
RGB Percent	91%, 0%, 42%
CMY	0.0902, 0.9998, 0.5765
CMYK	0.00, 1.00, 0.53, 0.09
HSL	332°, 100%, 46%
HSV	332°, 100%, 91%
XYZ	35.9855, 18.2385, 15.8111
YIQ	81.6800, 103.6040, 82.7720

Conversions

Conversions Part 2

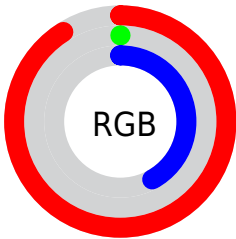
Format	Color
R_{YB}	232, 0, 108
Decimal	15204460
CIE _{Lab}	49.78, 78.16, 8.30
CIE _{LCh}	50, 78.602, 6.060
Yxy	18.2385, 0.5138, 0.2604
Android (android.graphics.Color)	4293394540 (0xFFE8006C)
YUV	81.6800, 12.9758, 131.8306
Hunter-Lab	42.7066, 75.6716, 7.9439

Details

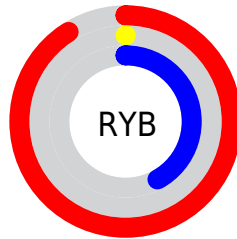
The XYZ color **35.9855, 18.2385, 15.8111** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **32.4985, 59.1699, 28.7940**, and the grayscale version is **7.9223, 8.3348, 9.0766**.

A 20% lighter version of the original color is **51.5007, 31.7686, 36.2185**, and **17.2045, 8.7719, 5.2013** is the 20% darker color. If you saturate the color by 10%, you get **35.9839, 18.2379, 15.8033**, and if you desaturate by 10%, it is **37.0047, 19.1445, 19.6427**.

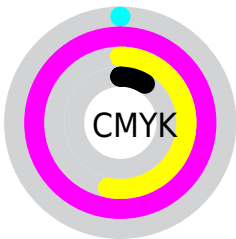
Distribution



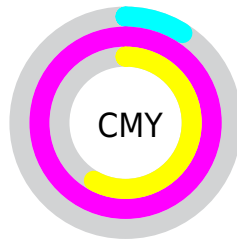
- Red (91%)
- Green (0%)
- Blue (42%)



- Red (91%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (53%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9855, 18.2385, 15.8111 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 35.9855, 18.2385, 15.8111 by changing the saturation by 10% instead.


 35.9855, 18.2385,
15.8111

 35.9855, 18.2385,
15.8111


320.3295,
242.2119, 240.0320


 24.5931, 11.1214,
9.2377


 68.3337, 40.4433,
37.0322


 15.9012, 6.1485,
4.7976


 90.0202, 56.2998,
52.5169


 9.5447, 2.9356,
2.0724


 115.8687, 75.8381,
71.8091

 5.1581, 1.0982,
0.5992

 146.2446, 99.4427,
95.3274

 2.3760, 0.0000,
0.0000

 181.5133,
127.4980, 123.4903

 0.8331, 0.0000,
0.0000

 222.0401,

 0.0000, 0.0000,

160.3884, 156.7164

0.0000

268.1904,
198.4982, 195.4241

■ 35.9855, 18.2385,
15.8111

■ 35.9855, 18.2385,
15.8111

■ 35.9839, 18.2379,
15.8033

■ 37.0047, 19.1445,
19.6427

■ 38.4936, 20.8334,
24.1124

■ 40.5740, 23.5435,
29.2783

■ 43.3181, 27.4138,
35.1809

■ 46.7870, 32.5614,
41.8562

■ 51.0344, 39.0887,
49.3372

■ 56.1086, 47.0879,
57.6544

■ 62.0540, 56.6430,
66.8366

■ 68.9114, 67.8316,
76.9108

Harmonies

Analogous

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



34.1312, 18.2385, 41.7648



35.9855, 18.2385, 15.8111



31.7958, 18.2385, 4.1217

Triad

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



35.9855, 18.2385, 15.8111



10.1587, 18.2385, 1.6890



12.1187, 18.2385, 86.5407

Complementary

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



35.9855, 18.2385, 15.8111



32.4985, 59.1699, 28.7940

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.



8.0976, 18.2385, 55.4231



35.9855, 18.2385, 15.8111



7.2155, 18.2385, 7.3749

Square

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



35.9855, 18.2385, 15.8111



15.8573, 18.2385, 0.5364



6.5881, 18.2385, 24.5439



18.9020, 18.2385, 95.7072

Rectangle

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



35.9855, 18.2385, 15.8111



26.6940, 18.2385, 1.5251



6.5881, 18.2385, 24.5439



10.4677, 18.2385, 77.5781

Sweetspot

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



35.9860, 18.2396, 15.8114



69.4108, 58.1604, 71.2551



22.8432, 10.0944, 77.0881



14.2605, 11.5035, 14.2907



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.



35.9860, 18.2396, 15.8114



44.5504, 22.5842, 19.3622



33.3634, 17.3248, 1.5871



14.6547, 14.4791, 16.3821



20.0392, 10.1499, 9.1015



1.5274, 0.7687, 0.9177

Inverse Universe

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



35.9860, 18.2396, 15.8114



44.5504, 22.5842, 19.3622



41.2939, 59.2821, 85.6099



14.6547, 14.4791, 16.3821



20.0392, 10.1499, 9.1015



1.5274, 0.7687, 0.9177

Previews

White Background



This preview shows how the XYZ color 35.9855, 18.2385, 15.8111 looks on a white background.

Color Contrast Check

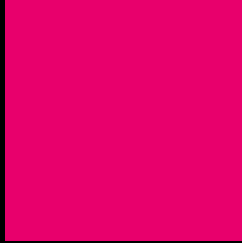
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.9855, 18.2385, 15.8111 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 35.9855, 18.2385, 15.8111

Background



This preview shows how black text looks on a background with the XYZ color 35.9855, 18.2385, 15.8111.

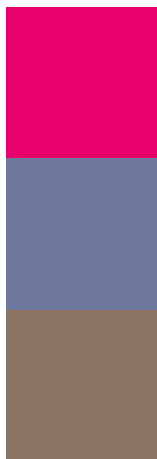


This preview shows how white text looks on a background with the XYZ color 35.9855, 18.2385,

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

35.9855, 18.2385, 15.8111

Protanopia

19.1130, 18.9430, 34.5473

Deuteranopia

18.9828, 18.6323, 14.1512



Tritanopia

33.5949, 18.5529, 4.0009

Trichromacy



Original Color

35.9855, 18.2385, 15.8111



Protanomaly

20.5711, 13.9030, 26.0254



Deuteranomaly

22.0144, 14.6086, 14.2298



Tritanomaly

34.0084, 18.0002, 6.8362

Monochromacy



Original Color

35.9855, 18.2385, 15.8111



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.4328, 8.5297, 10.8359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9855, 18.2385, 15.8111 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, 108)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 108)  
}
```

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, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 108) }
```

Border

The CSS property to change the border of an element to XYZ 35.9855, 18.2385, 15.8111 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, 108) }
```


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

```
.border{ border-color:rgb(232, 0, 108) }
```

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, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 108);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9855, 18.2385, 15.8111 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, 108) }
```

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

```
.background{ background-color: rgb(232, 0,  
108) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor