

Converting Colors

XYZ(35.6870, 18.1210, 14.1547)

Have a look what the booklet for
XYZ(35.6870, 18.1210, 14.1547)
contains.

XYZ(35.6770, 18.1151, 14.1866)	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(35.6770, 18.1151,
14.1866)**

Conversions

Conversions Part 1

Format	Color
Hex	E80066
RGB	232, 0, 102
RGB Percent	91%, 0%, 40%
CMY	0.0902, 0.9998, 0.6000
CMYK	0.00, 1.00, 0.56, 0.09
HSL	334°, 100%, 46%
HSV	334°, 100%, 91%
XYZ	35.6770, 18.1151, 14.1866
YIQ	80.9960, 105.5300, 80.9060

Conversions

Conversions Part 2

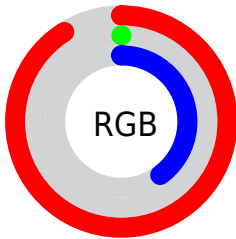
Format	Color
R_{YB}	232, 0, 102
Decimal	15204454
CIE _{Lab}	49.64, 77.77, 11.77
CIE _{LCh}	50, 78.653, 8.608
Yxy	18.1151, 0.5248, 0.2665
Android (android.graphics.Color)	4293394534 (0xFFE80066)
YUV	80.9960, 10.3550, 132.4305
Hunter-Lab	42.5618, 75.1425, 10.0309

Details

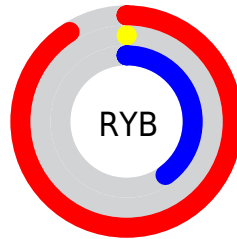
The XYZ color **35.6770, 18.1151, 14.1866** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **32.8899, 59.3264, 30.8551**, and the grayscale version is **7.7916, 8.1974, 8.9269**.

A 20% lighter version of the original color is **50.9925, 31.5653, 33.5421**, and **17.0760, 8.7205, 4.5246** is the 20% darker color. If you saturate the color by 10%, you get **35.6754, 18.1145, 14.1789**, and if you desaturate by 10%, it is **36.6847, 19.0165, 17.9577**.

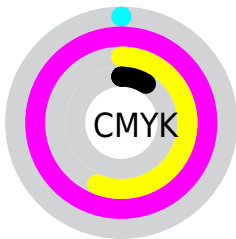
Distribution



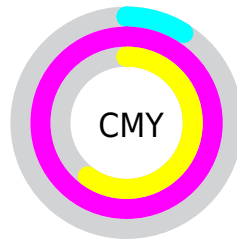
- Red (91%)
- Green (0%)
- Blue (40%)



- Red (91%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (56%)
- Black (9%)




- Cyan (9%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6770, 18.1151, 14.1866 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 35.6770, 18.1151, 14.1866 by changing the saturation by 10% instead.

 35.6770, 18.1151,
14.1866

 35.6770, 18.1151,
14.1866


319.0025,
241.5190, 229.8573


 24.3538, 11.0327,
8.1103


 67.8604, 40.2334,
34.1416


 15.7224, 6.0888,
4.0768


 89.4512, 56.0380,
48.8575


 9.4175, 2.8992,
1.6676


 115.1954, 75.5187,
67.2903

 5.0738, 1.0793,
0.3384

 145.4581, 99.0601,
89.8585

 2.3258, 0.0000,
0.0000

 180.6049,
127.0464, 116.9808

 0.8078, 0.0000,
0.0000

 221.0009,

 0.0000, 0.0000,

159.8620, 149.0757

0.0000

267.0117,
197.8914, 186.5617

■ 35.6770, 18.1151,
14.1866

■ 35.6770, 18.1151,
14.1866

■ 35.6754, 18.1145,
14.1789

■ 36.6847, 19.0165,
17.9577

■ 38.1700, 20.7040,
22.4087

■ 40.2555, 23.4161,
27.6009

■ 43.0137, 27.2921,
33.5779

■ 46.5065, 32.4492,
40.3786

■ 50.7878, 38.9902,
48.0385

■ 55.9067, 47.0073,
56.5908

■ 61.9078, 56.5847,
66.0665

■ 68.8325, 67.8002,
76.4949

Harmonies

Analogous

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



34.3488, 18.1151, 38.8491



35.6770, 18.1151, 14.1866



31.0539, 18.1151, 3.5822

Triad

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



35.6770, 18.1151, 14.1866



9.7217, 18.1151, 1.8811



12.4932, 18.1151, 88.1457

Complementary

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



35.6770, 18.1151, 14.1866



32.8899, 59.3264, 30.8551

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.



8.2576, 18.1151, 58.1262



35.6770, 18.1151, 14.1866



7.0094, 18.1151, 8.2050

Square

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



35.6770, 18.1151, 14.1866



15.1566, 18.1151, 0.5461



6.5646, 18.1151, 26.5427



19.4580, 18.1151, 94.7333

Rectangle

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



35.6770, 18.1151, 14.1866



25.8335, 18.1151, 1.3269



6.5646, 18.1151, 26.5427



10.7687, 18.1151, 79.7797

Sweetspot

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



35.6775, 18.1162, 14.1869



69.1594, 58.0599, 69.9310



23.4116, 10.3874, 77.1147



14.2014, 11.4798, 13.9791



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.



35.6775, 18.1162, 14.1869



44.1691, 22.4316, 17.3544



33.4061, 17.4104, 1.6014



14.6388, 14.4727, 16.2984



19.8666, 10.0809, 8.1925



1.5141, 0.7634, 0.8478

Inverse Universe

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



35.6775, 18.1162, 14.1869



44.1691, 22.4316, 17.3544



40.2650, 57.2243, 85.2669



14.6388, 14.4727, 16.2984



19.8666, 10.0809, 8.1925



1.5141, 0.7634, 0.8478

Previews

White Background



This preview shows how the XYZ color 35.6770, 18.1151, 14.1866 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 35.6770, 18.1151, 14.1866 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 35.6770, 18.1151, 14.1866

Background



This preview shows how black text looks on a background with the XYZ color 35.6770, 18.1151, 14.1866.

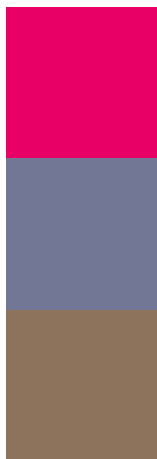


This preview shows how white text looks on a background with the XYZ color 35.6770, 18.1151,

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

35.6770, 18.1151, 14.1866

Protanopia

18.7522, 18.8425, 30.6656

Deuteranopia

19.0470, 18.6969, 12.7302



Tritanopia

33.8091, 18.5621, 3.8084

Trichromacy



Original Color

35.6770, 18.1151, 14.1866



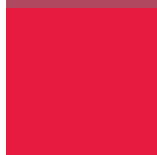
Protanomaly

20.3915, 13.8755, 23.0762



Deuteranomaly

21.9494, 14.6083, 12.7291



Tritanomaly

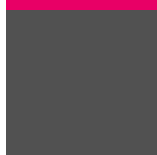
34.2216, 18.0866, 6.3900

Monochromacy



Original Color

35.6770, 18.1151, 14.1866



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.1845, 8.4115, 10.3799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6770, 18.1151, 14.1866 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 102) }
```

Border

The CSS property to change the border of an element to XYZ 35.6770, 18.1151, 14.1866 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, 102) }
```


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

```
.border{ border-color:rgb(232, 0, 102) }
```

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, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 102);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6770, 18.1151, 14.1866 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, 102) }
```

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

```
.background{ background-color: rgb(232, 0,  
102) }
```

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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