

Converting Colors

XYZ(34.2270, 15.2238, 14.2626)

Have a look what the booklet for
XYZ(34.2270, 15.2238, 14.2626)
contains.

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Color

**XYZ(35.7774, 18.1553,
14.7153)**

Conversions

Conversions Part 1

Format	Color
Hex	E80068
RGB	232, 0, 104
RGB Percent	91%, 0%, 41%
CMY	0.0902, 0.9998, 0.5922
CMYK	0.00, 1.00, 0.55, 0.09
HSL	333°, 100%, 46%
HSV	333°, 100%, 91%
XYZ	35.7774, 18.1553, 14.7153
YIQ	81.2240, 104.8880, 81.5280

Conversions

Conversions Part 2

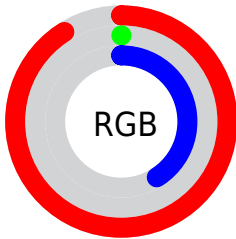
Format	Color
RYB	232, 0, 104
Decimal	15204456
CIELab	49.68, 77.90, 10.61
CIELCh	50, 78.615, 7.758
Yxy	18.1553, 0.5212, 0.2645
Android (android.graphics.Color)	4293394536 (0xFFE80068)
YUV	81.2240, 11.2286, 132.2306
Hunter-Lab	42.6090, 75.3147, 9.3501

Details

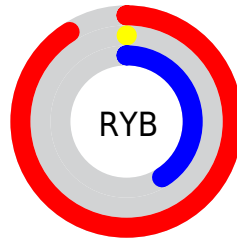
The XYZ color **35.7774, 18.1553, 14.7153** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **32.7571, 59.2733, 30.1553**, and the grayscale version is **7.8353, 8.2433, 8.9770**.

A 20% lighter version of the original color is **51.1591, 31.6320, 34.4195**, and **17.1259, 8.7405, 4.7874** is the 20% darker color. If you saturate the color by 10%, you get **35.7757, 18.1546, 14.7072**, and if you desaturate by 10%, it is **36.7894, 19.0584, 18.5086**.

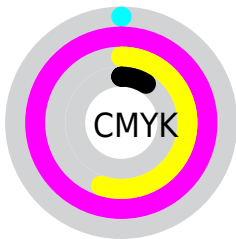
Distribution



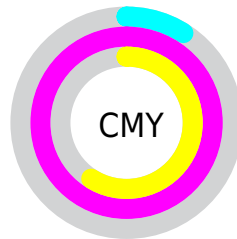
- Red (91%)
- Green (0%)
- Blue (41%)



- Red (91%)
- Yellow (0%)
- Blue (41%)



- Cyan (0%)
- Magenta (100%)
- Yellow (55%)
- Black (9%)




- Cyan (9%)
- Magenta (100%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7774, 18.1553, 14.7153 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 35.7774, 18.1553, 14.7153 by changing the saturation by 10% instead.

 35.7774, 18.1553,
14.7153


 35.7774, 18.1553,
14.7153


319.4348,
241.7449, 233.2176


 24.4316, 11.0615,
8.4754


 68.0145, 40.3018,
35.0882


 15.7806, 6.1082,
4.3085


 89.6365, 56.1233,
50.0582


 9.4589, 2.9110,
1.7961


 115.4146, 75.6228,
68.7754

 5.1012, 1.0855,
0.4254

 145.7143, 99.1848,
91.6583

 2.3421, 0.0000,
0.0000

 180.9008,
127.1936, 119.1255

 0.8161, 0.0000,
0.0000

 221.3394,

 0.0000, 0.0000,

160.0336, 151.5954

0.0000

267.3957,
198.0893, 189.4865

■ 35.7774, 18.1553,
14.7153

■ 35.7774, 18.1553,
14.7153

■ 35.7757, 18.1546,
14.7072

■ 36.7894, 19.0584,
18.5086

■ 38.2763, 20.7466,
22.9678

■ 40.3605, 23.4583,
28.1532

■ 43.1144, 27.3327,
34.1072

■ 46.5996, 32.4869,
40.8677

■ 50.8700, 39.0236,
48.4694

■ 55.9742, 47.0350,
56.9446

■ 61.9570, 56.6051,
66.3233

■ 68.8595, 67.8118,
76.6343

Harmonies

Analogous

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



34.2738, 18.1553, 39.8043



35.7774, 18.1553, 14.7153



31.2983, 18.1553, 3.7567

Triad

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



35.7774, 18.1553, 14.7153



9.8658, 18.1553, 1.8155



12.3668, 18.1553, 87.6007

Complementary

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



35.7774, 18.1553, 14.7153



32.7571, 59.2733, 30.1553

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.



8.2037, 18.1553, 57.2100



35.7774, 18.1553, 14.7153



7.0776, 18.1553, 7.9211

Square

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



35.7774, 18.1553, 14.7153



15.3875, 18.1553, 0.5430



6.5723, 18.1553, 25.8623



19.2701, 18.1553, 95.0501

Rectangle

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



35.7774, 18.1553, 14.7153



26.1171, 18.1553, 1.3911



6.5723, 18.1553, 25.8623



10.6671, 18.1553, 79.0339

Sweetspot

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



35.7779, 18.1564, 14.7156



69.2428, 58.0932, 70.3702



23.4117, 10.3875, 77.1146



14.2210, 11.4876, 14.0824



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.



35.7779, 18.1564, 14.7156



44.2931, 22.4812, 18.0073



33.4062, 17.4104, 1.6014



14.6441, 14.4748, 16.3262



19.9228, 10.1033, 8.4884



1.5185, 0.7651, 0.8707

Inverse Universe

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



35.7779, 18.1564, 14.7156



44.2931, 22.4812, 18.0073



40.2650, 57.2244, 85.2668



14.6441, 14.4748, 16.3262



19.9228, 10.1033, 8.4884



1.5185, 0.7651, 0.8707

Previews

White Background



This preview shows how the XYZ color 35.7774, 18.1553, 14.7153 looks on a white background.

Color Contrast Check

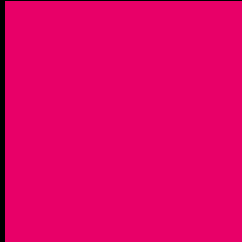
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.7774, 18.1553, 14.7153 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 35.7774, 18.1553, 14.7153

Background



This preview shows how black text looks on a background with the XYZ color 35.7774, 18.1553, 14.7153.

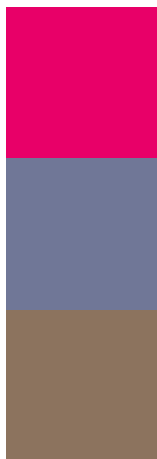


This preview shows how white text looks on a background with the XYZ color 35.7774, 18.1553,

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

35.7774, 18.1553, 14.7153

Protanopia

18.8648, 18.8728, 31.9267

Deuteranopia

18.9663, 18.6451, 13.1889



Tritanopia

33.4890, 18.3971, 3.7934

Trichromacy



Original Color

35.7774, 18.1553, 14.7153



Protanomaly

20.5978, 13.9580, 24.1628



Deuteranomaly

21.8207, 14.5312, 13.2100



Tritanomaly

33.8997, 17.9207, 6.3749

Monochromacy



Original Color

35.7774, 18.1553, 14.7153



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 35.7774, 18.1553, 14.7153 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, 104)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 104)  
}
```

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, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 104) }
```

Border

The CSS property to change the border of an element to XYZ 35.7774, 18.1553, 14.7153 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, 104) }
```


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

```
.border{ border-color:rgb(232, 0, 104) }
```

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, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 104);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7774, 18.1553, 14.7153 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, 104) }
```

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

```
.background{ background-color: rgb(232, 0,  
104) }
```

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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