

Converting Colors

XYZ(36.8470, 19.1694, 15.0179)

Have a look what the booklet for
XYZ(36.8470, 19.1694, 15.0179)
contains.

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Color

**XYZ(36.7879, 19.1251,
15.1172)**

Conversions

Conversions Part 1

Format	Color
Hex	EA1769
RGB	234, 23, 105
RGB Percent	92%, 9%, 41%
CMY	0.0824, 0.9097, 0.5882
CMYK	0.00, 0.90, 0.55, 0.08
HSL	337°, 83%, 50%
HSV	337°, 90%, 92%
XYZ	36.7879, 19.1251, 15.1172
YIQ	95.4370, 99.4340, 70.2340

Conversions

Conversions Part 2

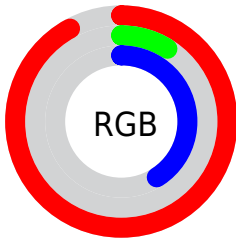
Format	Color
R_{YB}	234, 23, 105
Decimal	15341417
CIE _{Lab}	50.83, 76.31, 11.67
CIE _{LCh}	51, 77.196, 8.693
Yxy	19.1251, 0.5179, 0.2693
Android (android.graphics.Color)	4293531497 (0xFFEA1769)
YUV	95.4370, 4.7146, 121.5198
Hunter-Lab	43.7323, 73.6241, 10.1174

Details

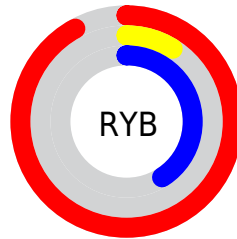
The XYZ color **36.7879, 19.1251, 15.1172** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **35.4466, 61.2959, 39.6810**, and the grayscale version is **10.9580, 11.5286, 12.5547**.

A 20% lighter version of the original color is **51.7979, 32.7746, 35.0486**, and **17.5840, 8.9737, 4.9430** is the 20% darker color. If you saturate the color by 10%, you get **35.8164, 18.2463, 11.5134**, and if you desaturate by 10%, it is **38.2738, 20.8194, 19.5513**.

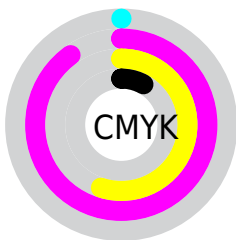
Distribution



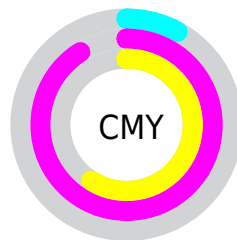
- Red (92%)
- Green (9%)
- Blue (41%)



- Red (92%)
- Yellow (9%)
- Blue (41%)



- Cyan (0%)
- Magenta (90%)
- Yellow (55%)
- Black (8%)





- Cyan (8%)
- Magenta (91%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7879, 19.1251, 15.1172 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 36.7879, 19.1251, 15.1172 by changing the saturation by 10% instead.


 36.7879, 19.1251,
15.1172


 36.7879, 19.1251,
15.1172

323.7628,
247.1385, 235.7397


 25.2162, 11.7607,
8.7541


 69.5624, 41.9454,
35.8039

 16.3678, 6.5810,
4.4866


 91.4960, 58.1701,
50.9645


 9.8773, 3.2014,
1.8959


 117.6142, 78.1170,
69.8949

 5.3793, 1.2378,
0.4901

 148.2824,
102.1705, 93.0133

 2.5085, 0.0922,
0.0000

 183.8661,
130.7150, 120.7385

 0.8996, 0.0000,
0.0000

 224.7304,

 0.0000, 0.0000,

164.1349, 153.4889

0.0000

271.2409,
202.8146, 191.6831

■ 36.7879, 19.1251,
15.1172

■ 36.7879, 19.1251,
15.1172

■ 35.8164, 18.2463,
11.5134

■ 38.2738, 20.8194,
19.5513

■ 40.3874, 23.5619,
24.8335

■ 43.2054, 27.4971,
31.0160

■ 46.7920, 32.7456,
38.1453

■ 51.2040, 39.4130,
46.2641

■ 56.4924, 47.5943,
55.4121

■ 62.7040, 57.3758,
65.6267

■ 69.8822, 68.8376,
76.9430

■ 78.0675, 82.0543,
89.3944

Harmonies

Analogous

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



35.4743, 19.1251, 40.0337



36.7879, 19.1251, 15.1172



32.1356, 19.1251, 4.0881

Triad

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



36.7879, 19.1251, 15.1172



10.4872, 19.1251, 2.2617



13.3681, 19.1251, 89.2145

Complementary

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



36.7879, 19.1251, 15.1172



35.4466, 61.2959, 39.6810

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.



8.9912, 19.1251, 59.4751



36.7879, 19.1251, 15.1172



7.6793, 19.1251, 9.0181

Square

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



36.7879, 19.1251, 15.1172



16.0573, 19.1251, 0.7924



7.2209, 19.1251, 27.8118



20.4772, 19.1251, 95.6405

Rectangle

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



36.7879, 19.1251, 15.1172



26.8777, 19.1251, 1.6282



7.2209, 19.1251, 27.8118



11.5926, 19.1251, 80.9550

Sweetspot

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



36.7884, 19.1263, 15.1175



70.8282, 61.2401, 70.9726



27.6645, 13.0017, 78.8932



14.6368, 12.2887, 14.3151



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.



36.7884, 19.1263, 15.1175



43.4959, 22.1624, 13.8094



34.9919, 19.3651, 2.7057



15.3078, 15.1510, 16.9059



20.1842, 10.2764, 6.7715



1.6308, 0.8253, 0.7734

Inverse Universe

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



36.7884, 19.1263, 15.1175



43.4959, 22.1624, 13.8094



38.9750, 53.6625, 86.1454



15.3078, 15.1510, 16.9059



20.1842, 10.2764, 6.7715



1.6308, 0.8253, 0.7734

Previews

White Background



This preview shows how the XYZ color 36.7879, 19.1251, 15.1172 looks on a white background.

Color Contrast Check

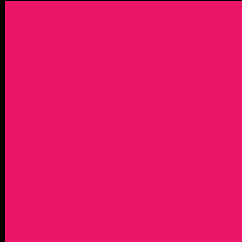
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.7879, 19.1251, 15.1172 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 36.7879, 19.1251, 15.1172

Background



This preview shows how black text looks on a background with the XYZ color 36.7879, 19.1251, 15.1172.



This preview shows how white text looks on a background with the XYZ color 36.7879, 19.1251,

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

36.7879, 19.1251, 15.1172

Protanopia

19.4126, 19.5216, 31.5990

Deuteranopia

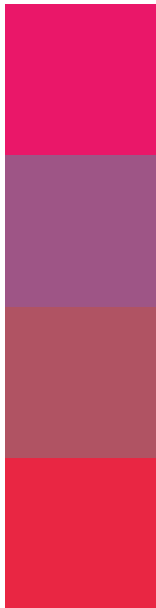
19.7545, 19.3884, 13.5276



Tritanopia

34.7488, 19.3071, 4.4799

Trichromacy



Original Color

36.7879, 19.1251, 15.1172

Protanomaly

21.6521, 15.4873, 24.4024

Deuteranomaly

23.2499, 16.3175, 13.7286

Tritanomaly

35.3105, 19.1151, 7.1387

Monochromacy



Original Color

36.7879, 19.1251, 15.1172

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

16.2343, 11.2681, 13.1237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7879, 19.1251, 15.1172 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(234, 23, 105)` looks like.

```
.text, #text, p{  
    color:rgb(234, 23, 105)  
}
```

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(234, 23, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 23, 105) }
```

Border

The CSS property to change the border of an element to XYZ 36.7879, 19.1251, 15.1172 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(234, 23, 105) }
```


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

```
.border{ border-color:rgb(234, 23, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 23, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 23, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 23, 105);  
box-shadow:4px 4px 4px 4px rgb(234, 23,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7879, 19.1251, 15.1172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 23, 105) }
```

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

```
.background{ background-color: rgb(234, 23,  
105) }
```

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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