

Converting Colors

XYZ(36.8119, 20.0174, 15.6189)

Have a look what the booklet for
XYZ(36.8119, 20.0174, 15.6189)
contains.

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Color

**XYZ(36.7809, 19.9978,
15.5571)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | E82C6A |
| RGB | 232, 44, 106 |
| RGB Percent | 91%, 17%, 42% |
| CMY | 0.0902, 0.8274, 0.5843 |
| CMYK | 0.00, 0.81, 0.54, 0.09 |
| HSL | 340°, 80%, 54% |
| HSV | 340°, 81%, 91% |
| XYZ | 36.7809, 19.9978, 15.5571 |
| YIQ | 107.2800, 92.1460, 59.1380 |

Conversions

Conversions Part 2

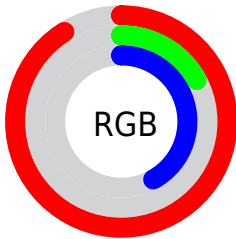
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 232, 44, 106 |
| Decimal | 15215722 |
| CIE Lab | 51.83, 71.97, 12.40 |
| CIE LCh | 52, 73.030, 9.775 |
| Yxy | 19.9978, 0.5085, 0.2765 |
| Android (android.graphics.Color) | 4293405802 (0xFFE82C6A) |
| YUV | 107.2800, -0.6310, 109.3794 |
| Hunter-Lab | 44.7189, 68.5566, 10.6770 |

Details

The XYZ color **36.7809, 19.9978, 15.5571** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed rose. A complement of this color would be **37.1531, 61.1517, 47.8835**, and the grayscale version is **14.0388, 14.7699, 16.0844**.

A 20% lighter version of the original color is **52.9017, 34.8462, 35.8360**, and **17.1516, 8.7508, 4.9228** is the 20% darker color. If you saturate the color by 10%, you get **35.4080, 18.4312, 11.4650**, and if you desaturate by 10%, it is **38.7837, 22.5899, 20.5829**.

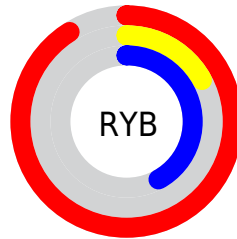
Distribution



Red (91%)

Green (17%)

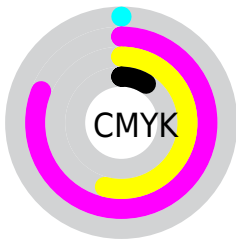
Blue (42%)



Red (91%)

Yellow (17%)

Blue (42%)

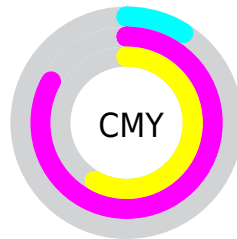


Cyan (0%)

Magenta (81%)

Yellow (54%)

Black (9%)



Cyan (9%)


Magenta (83%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7809, 19.9978, 15.5571 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 36.7809, 19.9978, 15.5571 by changing the saturation by 10% instead.

 36.7809, 19.9978,
15.5571


 36.7809, 19.9978,
15.5571


323.7330,
251.9032, 238.4697


 25.2108, 12.3934,
9.0604


 69.5517, 43.4135,
36.5836

 16.3637, 7.0122,
4.6832


 91.4831, 59.9936,
51.9504


 9.8744, 3.4697,
2.0072


 117.5990, 80.3345,
71.1111

 5.3774, 1.3816,
0.5597

 148.2647,
104.8204, 94.4840

 2.5074, 0.2031,
0.0000

 183.8456,
133.8359, 122.4878

 0.8990, 0.0000,
0.0000

224.7071,

 0.0000, 0.0000,

167.7652, 155.5410

0.0000

271.2144,
206.9929, 194.0621

■ 36.7809, 19.9978,
15.5571

■ 36.7809, 19.9978,
15.5571

■ 35.4080, 18.4312,
11.4650

■ 38.7837, 22.5899,
20.5829


■ 34.6004, 17.6845,
8.5182


■ 41.4926, 26.3476,
26.6036


■ 44.9737, 31.3925,
33.6752


■ 49.2849, 37.8297,
41.8485

■ 54.4780, 45.7535,
51.1711

 60.6007, 55.2498,
61.6871

 67.6971, 66.3980,
73.4385

 75.8083, 79.2721,
86.4651

 84.9733, 93.9415,
100.8046

Harmonies

Analogous

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



35.7482, 19.9978, 39.1377



36.7809, 19.9978, 15.5571



32.1889, 19.9978, 4.7152

Triad

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



36.7809, 19.9978, 15.5571



11.2739, 19.9978, 3.0634



14.4966, 19.9978, 86.8533

Complementary

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



36.7809, 19.9978, 15.5571



37.1531, 61.1517, 47.8835

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.



10.0281, 19.9978, 59.6832



36.7809, 19.9978, 15.5571



8.5306, 19.9978, 10.4983

Square

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



36.7809, 19.9978, 15.5571



16.6903, 19.9978, 1.2392



8.1431, 19.9978, 29.4597



21.5294, 19.9978, 91.7793

Rectangle

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



36.7809, 19.9978, 15.5571



27.1159, 19.9978, 2.1259



8.1431, 19.9978, 29.4597



12.7015, 19.9978, 79.4531

Sweetspot

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



36.7814, 19.9990, 15.5574



72.6223, 64.6086, 72.2477



31.9017, 16.1013, 77.7700



14.9616, 12.9253, 14.4638



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.



36.7814, 19.9990, 15.5574



43.1350, 22.1508, 11.4993



36.2732, 22.4171, 4.7997



14.5720, 14.4460, 15.9464



19.2607, 9.8385, 5.0021



1.4650, 0.7437, 0.5891

Inverse Universe

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



36.7814, 19.9990, 15.5574



43.1350, 22.1508, 11.4993



36.4144, 47.9812, 83.6856



14.5720, 14.4460, 15.9464



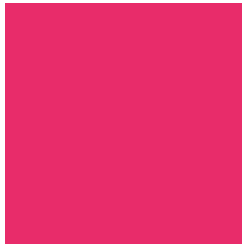
19.2607, 9.8385, 5.0021



1.4650, 0.7437, 0.5891

Previews

White Background



This preview shows how the XYZ color 36.7809, 19.9978, 15.5571 looks on a white background.

Color Contrast Check

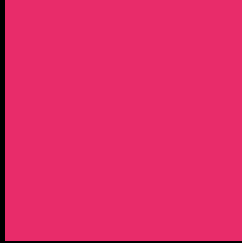
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.7809, 19.9978, 15.5571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

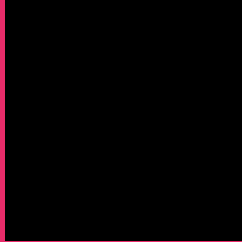
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7809, 19.9978, 15.5571

Background



This preview shows how black text looks on a background with the XYZ color 36.7809, 19.9978, 15.5571.



This preview shows how white text looks on a background with the XYZ color 36.7809, 19.9978,

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

36.7809, 19.9978, 15.5571

Protanopia

20.0170, 20.2343, 30.0447

Deuteranopia

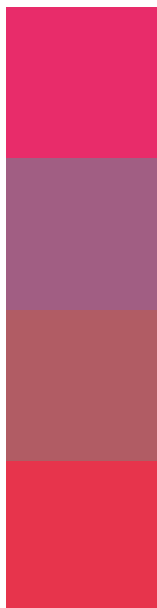
20.4315, 20.0765, 14.1075



Tritanopia

34.8857, 20.0650, 6.1719

Trichromacy



Original Color

36.7809, 19.9978, 15.5571

Protanomaly

22.7974, 17.2212, 23.5952

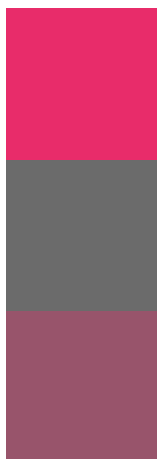
Deuteranomaly

24.2589, 17.9215, 14.2372

Tritanomaly

35.4875, 19.9667, 8.8210

Monochromacy



Original Color

36.7809, 19.9978, 15.5571

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

18.7731, 14.0776, 15.6377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7809, 19.9978, 15.5571 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, 44, 106)` looks like.

```
.text, #text, p{  
    color:rgb(232, 44, 106)  
}
```

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, 44, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 44, 106) }
```

Border

The CSS property to change the border of an element to XYZ 36.7809, 19.9978, 15.5571 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, 44, 106) }
```


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

```
.border{ border-color:rgb(232, 44, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 44, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 44, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 44, 106);  
box-shadow:4px 4px 4px 4px rgb(232, 44,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7809, 19.9978, 15.5571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 44, 106) }
```

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

```
.background{ background-color: rgb(232, 44,  
106) }
```

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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