

Converting Colors

XYZ(40.8361, 20.4367, 37.4434)

Have a look what the booklet for
XYZ(40.8361, 20.4367, 37.4434)
contains.

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Color

**XYZ(40.8429, 20.4484,
37.3916)**

Conversions

Conversions Part 1

Format	Color
Hex	EA0BA5
RGB	234, 11, 165
RGB Percent	92%, 4%, 65%
CMY	0.0824, 0.9567, 0.3529
CMYK	0.00, 0.95, 0.29, 0.08
HSL	319°, 91%, 48%
HSV	319°, 95%, 92%
XYZ	40.8429, 20.4484, 37.3916
YIQ	95.2330, 83.4740, 95.1700

Conversions

Conversions Part 2

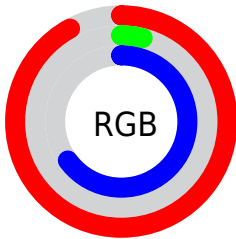
Format	Color
R_{YB}	234, 11, 165
Decimal	15338405
CIE _{Lab}	52.34, 82.74, -22.23
CIE _{LCh}	52, 85.671, 344.962
Yxy	20.4484, 0.4139, 0.2072
Android (android.graphics.Color)	4293528485 (0xFFEA0BA5)
YUV	95.2330, 34.3951, 121.6987
Hunter-Lab	45.2199, 82.0875, -17.3720

Details

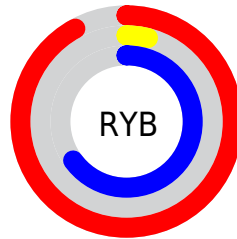
The XYZ color **40.8429, 20.4484, 37.3916** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **31.0112, 59.4971, 17.4482**, and the grayscale version is **10.8455, 11.4103, 12.4258**.

A 20% lighter version of the original color is **58.6201, 35.3510, 71.4439**, and **20.2142, 10.0765, 16.5023** is the 20% darker color. If you saturate the color by 10%, you get **40.4162, 20.0862, 35.7345**, and if you desaturate by 10%, it is **41.9864, 21.6501, 41.1178**.

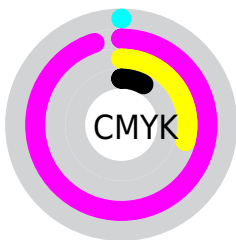
Distribution



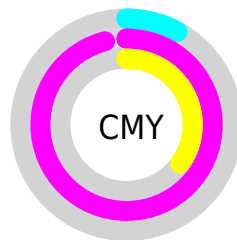
- Red (92%)
- Green (4%)
- Blue (65%)



- Red (92%)
- Yellow (4%)
- Blue (65%)



- Cyan (0%)
- Magenta (95%)
- Yellow (29%)
- Black (8%)





- Cyan (8%)
- Magenta (96%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8429, 20.4484, 37.3916 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 40.8429, 20.4484, 37.3916 by changing the saturation by 10% instead.


 40.8429, 20.4484,
37.3916


 40.8429, 20.4484,
37.3916

340.7374,
254.3323, 350.2225


 28.3835, 12.7214,
25.2127


 75.7216, 44.1677,
72.3677


 18.7569, 7.2370,
16.0151


 98.8715, 60.9288,
96.0020


 11.5977, 3.6107,
9.3804


 126.3157, 81.4700,
124.2917

 6.5406, 1.4583,
4.8899

 158.4195,
106.1758, 157.6556

 3.2203, 0.2591,
2.1252

 195.5482,
135.4305, 196.5120

 1.2713, 0.0000,
0.6307

 238.0671,

 0.1616, 0.0000,

169.6186, 241.2796

0.0000

286.3418,
209.1244, 292.3769

■ 0.0000, 0.0000,
0.0000

■ 40.8429, 20.4484,
37.3916

■ 40.8429, 20.4484,
37.3916

■ 40.4162, 20.0862,
35.7345

■ 41.9864, 21.6501,
41.1178

■ 43.6229, 23.7775,
45.1953

■ 45.8329, 26.9903,
49.6541

■ 48.6815, 31.4175,
54.5184

■ 52.2244, 37.1701,
59.8098

■ 56.5114, 44.3463,
65.5475

■ 61.5871, 53.0351,
71.7490

■ 67.4930, 63.3181,
78.4307

■ 74.2674, 75.2711,
85.6080

Harmonies

Analogous

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



34.0499, 20.4484, 77.3383



40.8429, 20.4484, 37.3916



40.8523, 20.4484, 11.9326

Triad

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



40.8429, 20.4484, 37.3916



15.3779, 20.4484, 0.5227



9.7367, 20.4484, 77.2350

Complementary

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



40.8429, 20.4484, 37.3916



31.0112, 59.4971, 17.4482

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.



7.2249, 20.4484, 37.3047



40.8429, 20.4484, 37.3916



9.7466, 20.4484, 2.5485

Square

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



40.8429, 20.4484, 37.3916



24.1756, 20.4484, 0.5247



7.2279, 20.4484, 11.8920



15.3596, 20.4484, 109.8093

Rectangle

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



40.8429, 20.4484, 37.3916



36.9083, 20.4484, 4.4199



7.2279, 20.4484, 11.8920



8.5876, 20.4484, 63.3000

Sweetspot

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



40.8435, 20.4495, 37.3919



72.3557, 60.1608, 84.2273



18.1079, 7.7978, 78.3928



14.9304, 11.9258, 17.3420



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.



40.8435, 20.4495, 37.3919



49.0846, 24.3978, 43.2391



34.7570, 18.0149, 5.3404



15.5048, 15.2298, 17.9437



22.7706, 11.3109, 20.3913



1.8309, 0.9053, 1.8266

Inverse Universe

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



40.8435, 20.4495, 37.3919



49.0846, 24.3978, 43.2391



38.7914, 62.6092, 58.4179



15.5048, 15.2298, 17.9437



22.7706, 11.3109, 20.3913



1.8309, 0.9053, 1.8266

Previews

White Background



This preview shows how the XYZ color 40.8429, 20.4484, 37.3916 looks on a white background.

Color Contrast Check

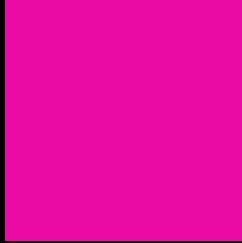
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.8429, 20.4484, 37.3916 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 40.8429, 20.4484, 37.3916

Background



This preview shows how black text looks on a background with the XYZ color 40.8429, 20.4484, 37.3916.



This preview shows how white text looks on a background with the XYZ color 40.8429, 20.4484,

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

40.8429, 20.4484, 37.3916

Protanopia

24.2697, 21.1105, 81.3928

Deuteranopia

21.2279, 20.7841, 33.4648



Tritanopia

34.7009, 20.6570, 7.7885

Trichromacy



Original Color

40.8429, 20.4484, 37.3916



Protanomaly

23.5522, 15.2769, 62.6802



Deuteranomaly

24.4987, 16.3957, 34.2212



Tritanomaly

36.1088, 19.7765, 15.0108

Monochromacy



Original Color

40.8429, 20.4484, 37.3916



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

17.0776, 11.1338, 19.0183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8429, 20.4484, 37.3916 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, 11, 165)` looks like.

```
.text, #text, p{  
    color:rgb(234, 11, 165)  
}
```

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, 11, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 11, 165) }
```

Border

The CSS property to change the border of an element to XYZ 40.8429, 20.4484, 37.3916 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, 11, 165) }
```


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

```
.border{ border-color:rgb(234, 11, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 11, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 11, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 11, 165);  
box-shadow:4px 4px 4px 4px rgb(234, 11,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8429, 20.4484, 37.3916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 11, 165) }
```

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

```
.background{ background-color: rgb(234, 11,  
165) }
```

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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