

Converting Colors

XYZ(40.6618, 20.9620, 39.0518)

Have a look what the booklet for
XYZ(40.6618, 20.9620, 39.0518)
contains.

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Color

**XYZ(40.5667, 20.9038,
38.9425)**

Conversions

Conversions Part 1

Format	Color
Hex	E721A8
RGB	231, 33, 168
RGB Percent	91%, 13%, 66%
CMY	0.0941, 0.8705, 0.3412
CMYK	0.00, 0.86, 0.27, 0.09
HSL	319°, 80%, 52%
HSV	319°, 86%, 91%
XYZ	40.5667, 20.9038, 38.9425
YIQ	107.5920, 74.6730, 83.9610

Conversions

Conversions Part 2

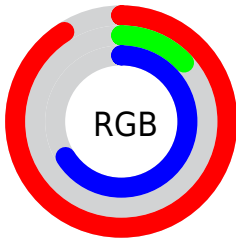
Format	Color
R_{YB}	231, 33, 168
Decimal	15147432
CIE _{Lab}	52.84, 79.71, -23.27
CIE _{LCh}	53, 83.041, 343.727
Yxy	20.9038, 0.4040, 0.2082
Android (android.graphics.Color)	4293337512 (0xFFE721A8)
YUV	107.5920, 29.7811, 108.2288
Hunter-Lab	45.7207, 78.3670, -18.4957

Details

The XYZ color **40.5667, 20.9038, 38.9425** 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 **31.3160, 58.3205, 20.6775**, and the grayscale version is **14.0476, 14.7792, 16.0945**.

A 20% lighter version of the original color is **59.7133, 36.8958, 73.7864**, and **19.7299, 9.8070, 17.3761** is the 20% darker color. If you saturate the color by 10%, you get **39.4649, 19.7652, 35.2915**, and if you desaturate by 10%, it is **42.1474, 22.9379, 42.9445**.

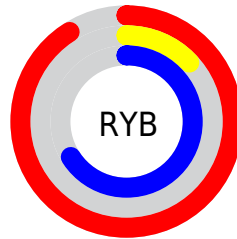
Distribution



Red (91%)

Green (13%)

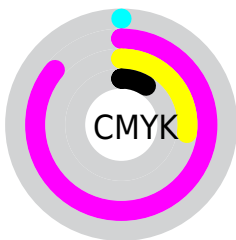
Blue (66%)



Red (91%)

Yellow (13%)

Blue (66%)

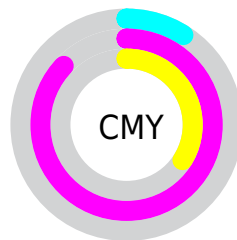


Cyan (0%)

Magenta (86%)

Yellow (27%)

Black (9%)



Cyan (9%)

Magenta (87%)

Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5667, 20.9038, 38.9425 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 40.5667, 20.9038, 38.9425 by changing the saturation by 10% instead.

 40.5667, 20.9038,
38.9425


 40.5667, 20.9038,
38.9425


339.6000,
256.7668, 357.0646

 28.1668, 13.0537,
26.4075


 75.3046, 44.9274,
74.7698


 18.5926, 7.4655,
16.9003


 98.3733, 61.8696,
98.8993


 11.4785, 3.7549,
10.0022


 125.7290, 82.6114,
127.7306

 6.4593, 1.5374,
5.2948

 157.7371,
107.5371, 161.6824

 3.1696, 0.3149,
2.3595

 194.7628,
137.0311, 201.1731

 1.2441, 0.0000,
0.7643

237.1717,

 0.1408, 0.0000,

171.4778, 246.6214

0.0000

285.3289,
211.2615, 298.4457

■ 0.0000, 0.0000,
0.0000

■ 40.5667, 20.9038,
38.9425

■ 40.5667, 20.9038,
38.9425

■ 39.4649, 19.7652,
35.2915

■ 42.1474, 22.9379,
42.9445

■ 39.0830, 19.4401,
33.8118

■ 44.2831, 26.0192,
47.3254

■ 47.0379, 30.2747,
52.1097

■ 50.4662, 35.8124,
57.3185

■ 54.6164, 42.7281,
62.9707

■ 59.5322, 51.1082,
69.0838

■ 65.2537, 61.0322,
75.6737

■ 71.8181, 72.5737,
82.7557

■ 79.2605, 85.8017,
90.3439

Harmonies

Analogous

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



33.7721, 20.9038, 77.6755



40.5667, 20.9038, 38.9425



40.8762, 20.9038, 13.2028

Triad

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



40.5667, 20.9038, 38.9425



16.1674, 20.9038, 0.7300



10.0880, 20.9038, 74.3225

Complementary

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



40.5667, 20.9038, 38.9425



31.3160, 58.3205, 20.6775

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.



7.6706, 20.9038, 36.0823



40.5667, 20.9038, 38.9425



10.4252, 20.9038, 2.7511

Square

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



40.5667, 20.9038, 38.9425



24.9186, 20.9038, 0.7968



7.7727, 20.9038, 11.8273



15.5513, 20.9038, 106.3078

Rectangle

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



40.5667, 20.9038, 38.9425



37.2204, 20.9038, 5.2058



7.7727, 20.9038, 11.8273



8.9740, 20.9038, 60.9217

Sweetspot

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



40.5674, 20.9049, 38.9429



74.2104, 63.4612, 86.1064



19.7620, 9.3296, 76.3606



15.4048, 12.7619, 17.8477



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.



40.5674, 20.9049, 38.9429



48.8659, 24.3104, 42.0876



34.5835, 18.5114, 7.4321



14.7897, 14.5331, 17.0930



21.9693, 10.9219, 19.2650



1.6652, 0.8238, 1.6436

Inverse Universe

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



40.5674, 20.9049, 38.9429



48.8659, 24.3104, 42.0876



39.0206, 61.4023, 61.2495



14.7897, 14.5331, 17.0930



21.9693, 10.9219, 19.2650



1.6652, 0.8238, 1.6436

Previews

White Background



This preview shows how the XYZ color 40.5667, 20.9038, 38.9425 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 40.5667, 20.9038, 38.9425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

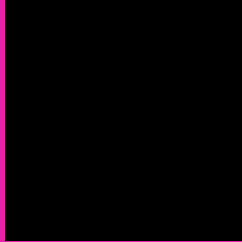
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.5667, 20.9038, 38.9425

Background



This preview shows how black text looks on a background with the XYZ color 40.5667, 20.9038, 38.9425.



This preview shows how white text looks on a background with the XYZ color 40.5667, 20.9038,

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

40.5667, 20.9038, 38.9425

Protanopia

24.4634, 21.4268, 79.9372

Deuteranopia

21.5476, 21.0949, 35.2838



Tritanopia

34.3278, 20.9900, 8.8988

Trichromacy



Original Color

40.5667, 20.9038, 38.9425



Protanomaly

24.3707, 16.6616, 62.2531



Deuteranomaly

25.1630, 17.7722, 36.2866



Tritanomaly

35.9519, 20.4611, 16.5225

Monochromacy



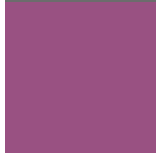
Original Color

40.5667, 20.9038, 38.9425



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

20.1086, 14.2689, 22.8134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5667, 20.9038, 38.9425 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(231, 33, 168)` looks like.

```
.text, #text, p{  
    color:rgb(231, 33, 168)  
}
```

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(231, 33, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 33, 168) }
```

Border

The CSS property to change the border of an element to XYZ 40.5667, 20.9038, 38.9425 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(231, 33, 168) }
```


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

```
.border{ border-color:rgb(231, 33, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 33, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 33, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 33, 168);  
box-shadow:4px 4px 4px 4px rgb(231, 33,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5667, 20.9038, 38.9425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 33, 168) }
```

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

```
.background{ background-color: rgb(231, 33,  
168) }
```

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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