

Converting Colors

XYZ(40.2651, 21.4020, 38.5680)

Have a look what the booklet for
XYZ(40.2651, 21.4020, 38.5680)
contains.

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Color

**XYZ(40.2651, 21.4020,
38.5680)**

Conversions

Conversions Part 1

Format	Color
Hex	E52EA7
RGB	229, 46, 167
RGB Percent	90%, 18%, 65%
CMY	0.1020, 0.8196, 0.3451
CMYK	0.00, 0.80, 0.27, 0.10
HSL	320°, 78%, 54%
HSV	320°, 80%, 90%
XYZ	40.2651, 21.4020, 38.5680
YIQ	114.5110, 70.2270, 76.4270

Conversions

Conversions Part 2

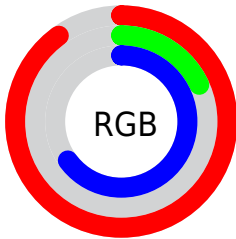
Format	Color
R _Y B	229, 46, 167
Decimal	15019687
CIE _{Lab}	53.39, 76.44, -21.88
CIE _{LCh}	53, 79.509, 344.029
Y _{xy}	21.4020, 0.4017, 0.2135
Android (android.graphics.Color)	4293209767 (0xFFE52EA7)
YUV	114.5110, 25.8771, 100.4069
Hunter-Lab	46.2623, 74.4012, -17.0453

Details

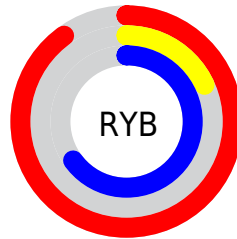
The XYZ color **40.2651, 21.4020, 38.5680** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **31.8542, 57.7029, 23.6500**, and the grayscale version is **16.0595, 16.8958, 18.3996**.

A 20% lighter version of the original color is **60.3299, 38.3442, 73.3287**, and **19.4567, 9.6728, 17.0612** is the 20% darker color. If you saturate the color by 10%, you get **38.9008, 19.7870, 34.6798**, and if you desaturate by 10%, it is **42.1502, 23.9894, 42.8425**.

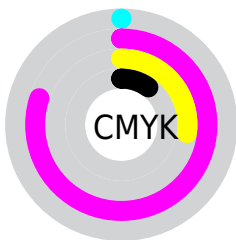
Distribution



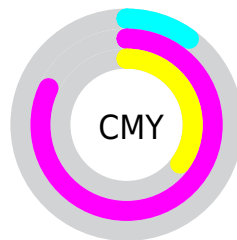
- Red (90%)
- Green (18%)
- Blue (65%)



- Red (90%)
- Yellow (18%)
- Blue (65%)



- Cyan (0%)
- Magenta (80%)
- Yellow (27%)
- Black (10%)





- Cyan (10%)
- Magenta (82%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2651, 21.4020, 38.5680 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 40.2651, 21.4020, 38.5680 by changing the saturation by 10% instead.

 40.2651, 21.4020,
38.5680


 40.2651, 21.4020,
38.5680

338.3550,
259.4072, 355.4213

 27.9304, 13.4182,
26.1186


 74.8488, 45.7556,
74.1910


 18.4134, 7.7171,
16.6858


 97.8286, 62.8942,
98.2016


 11.3487, 3.9145,
9.8512

 125.0874, 83.8531,
126.9030

 6.3709, 1.6258,
5.1961

 156.9906,
109.0169, 160.7138

 3.1147, 0.3749,
2.3020

 193.9036,
138.7697, 200.0525

 1.2147, 0.0000,
0.7323

236.1918,

 0.1179, 0.0000,

173.4962, 245.3376

0.0000

284.2205,
213.5805, 296.9877

■ 0.0000, 0.0000,
0.0000

■ 40.2651, 21.4020,
38.5680

■ 40.2651, 21.4020,
38.5680

■ 38.9008, 19.7870,
34.6798

■ 42.1502, 23.9894,
42.8425

■ 37.9407, 18.9128,
31.1348

■ 44.6214, 27.6790,
47.5282

■ 37.9324, 18.9058,
31.1029

■ 47.7359, 32.5842,
52.6478

■ 51.5436, 38.8033,
58.2213

■ 56.0890, 46.4245,
64.2670

61.4129, 55.5283,
70.8017

67.5531, 66.1891,
77.8412

74.5447, 78.4763,
85.4004

82.4208, 92.4550,
93.4934

Harmonies

Analogous

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



33.8292, 21.4020, 75.2151



40.2651, 21.4020, 38.5680



40.4899, 21.4020, 13.7573

Triad

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



40.2651, 21.4020, 38.5680



16.6573, 21.4020, 1.0444



10.7650, 21.4020, 72.8086

Complementary

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



40.2651, 21.4020, 38.5680



31.8542, 57.7029, 23.6500

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.



8.3129, 21.4020, 36.4780



40.2651, 21.4020, 38.5680



11.0214, 21.4020, 3.3174

Square

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



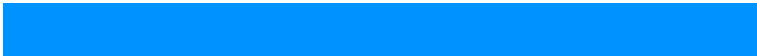
40.2651, 21.4020, 38.5680



25.1404, 21.4020, 1.0967



8.3915, 21.4020, 12.7141



16.1966, 21.4020, 102.5928

Rectangle

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



40.2651, 21.4020, 38.5680



36.9670, 21.4020, 5.7737



8.3915, 21.4020, 12.7141



9.6414, 21.4020, 60.1731

Sweetspot

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



40.2658, 21.4031, 38.5684



75.3766, 65.7103, 86.7516



21.1849, 10.7386, 75.0851



15.6206, 13.1889, 17.9336



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.



40.2658, 21.4031, 38.5684



48.8025, 24.4621, 41.2076



34.6131, 19.1421, 8.8016



14.7767, 14.5279, 17.0245



21.7463, 10.8327, 18.0906



1.6500, 0.8177, 1.5632

Inverse Universe

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



40.2658, 21.4031, 38.5684



48.8025, 24.4621, 41.2076



39.3978, 60.7203, 63.3742



14.7767, 14.5279, 17.0245



21.7463, 10.8327, 18.0906



1.6500, 0.8177, 1.5632

Previews

White Background



This preview shows how the XYZ color 40.2651, 21.4020, 38.5680 looks on a white background.

Color Contrast Check

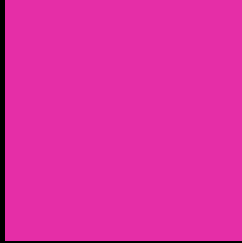
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.2651, 21.4020, 38.5680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

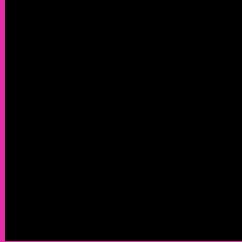
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.2651, 21.4020, 38.5680

Background



This preview shows how black text looks on a background with the XYZ color 40.2651, 21.4020, 38.5680.



This preview shows how white text looks on a background with the XYZ color 40.2651, 21.4020,

38.5680.

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

40.2651, 21.4020, 38.5680

Protanopia

24.5408, 21.9521, 74.8952

Deuteranopia

22.0236, 21.5372, 34.8946



Tritanopia

34.1938, 21.2926, 10.0922

Trichromacy



Original Color

40.2651, 21.4020, 38.5680



Protanomaly

25.1940, 17.9244, 59.8895



Deuteranomaly

25.7202, 18.7255, 35.9770



Tritanomaly

35.8663, 20.9580, 17.4842

Monochromacy



Original Color

40.2651, 21.4020, 38.5680



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

21.6695, 16.1015, 24.5200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2651, 21.4020, 38.5680 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(229, 46, 167)` looks like.

```
.text, #text, p{  
    color:rgb(229, 46, 167)  
}
```

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(229, 46, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 46, 167) }
```

Border

The CSS property to change the border of an element to XYZ 40.2651, 21.4020, 38.5680 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(229, 46, 167) }
```


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

```
.border{ border-color:rgb(229, 46, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 46, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 46, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 46, 167);  
box-shadow:4px 4px 4px 4px rgb(229, 46,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2651, 21.4020, 38.5680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 46, 167) }
```

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

```
.background{ background-color: rgb(229, 46,  
167) }
```

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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