

Converting Colors

XYZ(40.5191, 20.1502, 35.2468)

Have a look what the booklet for
XYZ(40.5191, 20.1502, 35.2468)
contains.

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Color

**XYZ(40.6940, 20.2354,
35.4792)**

Conversions

Conversions Part 1

Format	Color
Hex	EB00A1
RGB	235, 0, 161
RGB Percent	92%, 0%, 63%
CMY	0.0784, 0.9998, 0.3686
CMYK	0.00, 1.00, 0.31, 0.08
HSL	319°, 100%, 46%
HSV	319°, 100%, 92%
XYZ	40.6940, 20.2354, 35.4792
YIQ	88.6190, 88.3790, 99.8910

Conversions

Conversions Part 2

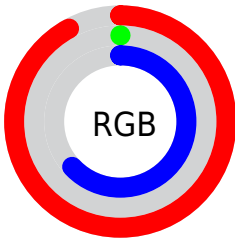
Format	Color
R_{YB}	235, 0, 161
Decimal	15401121
CIE _{Lab}	52.10, 83.30, -20.21
CIE _{LCh}	52, 85.721, 346.364
Yxy	20.2354, 0.4221, 0.2099
Android (android.graphics.Color)	4293591201 (0xFFEB00A1)
YUV	88.6190, 35.6838, 128.3761
Hunter-Lab	44.9838, 82.7561, -15.2740

Details

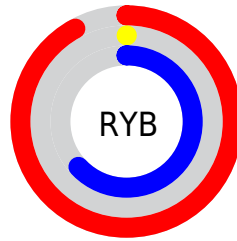
The XYZ color **40.6940, 20.2354, 35.4792** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **30.9468, 59.9122, 16.4206**, and the grayscale version is **9.3281, 9.8139, 10.6873**.

A 20% lighter version of the original color is **57.9094, 34.7673, 68.6243**, and **20.2159, 10.1028, 15.3525** is the 20% darker color. If you saturate the color by 10%, you get **40.6927, 20.2349, 35.4720**, and if you desaturate by 10%, it is **41.6839, 21.1393, 39.1257**.

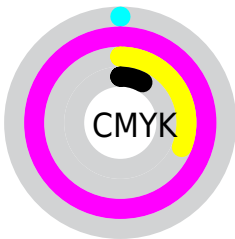
Distribution



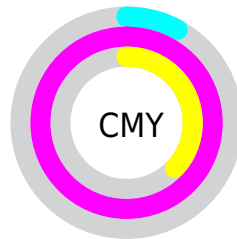
- Red (92%)
- Green (0%)
- Blue (63%)



- Red (92%)
- Yellow (0%)
- Blue (63%)



- Cyan (0%)
- Magenta (100%)
- Yellow (31%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6940, 20.2354, 35.4792 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 40.6940, 20.2354, 35.4792 by changing the saturation by 10% instead.

 40.6940, 20.2354,
35.4792


 40.6940, 20.2354,
35.4792


340.1245,
253.1866, 341.6468

 28.2667, 12.5663,
23.7457


 75.4968, 43.8115,
69.3874


 18.6683, 7.1306,
14.9347


 98.6030, 60.4873,
92.3993


 11.5334, 3.5439,
8.6274


 125.9995, 80.9340,
120.0077

 6.4967, 1.4218,
4.4055

 158.0517,
105.5362, 152.6312

 3.1929, 0.2327,
1.8503

 195.1250,
134.6781, 190.6883

 1.2566, 0.0000,
0.4609

 237.5846,

 0.1504, 0.0000,

168.7442, 234.5976

0.0000

285.7960,
208.1190, 284.7775

■ 0.0000, 0.0000,
0.0000

■ 40.6940, 20.2354,
35.4792

■ 40.6940, 20.2354,
35.4792

■ 40.6927, 20.2349,
35.4720

■ 41.6839, 21.1393,
39.1257

■ 43.0966, 22.8261,
43.1068

■ 45.0544, 25.5392,
47.4666

■ 47.6290, 29.4209,
52.2320

■ 50.8807, 34.5911,
57.4261

■ 54.8624, 41.1545,
63.0694

■ 59.6216, 49.2052,
69.1805

■ 65.2016, 58.8289,
75.7768

■ 71.6425, 70.1049,
82.8742

Harmonies

Analogous

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



34.1865, 20.2354, 74.9253



40.6940, 20.2354, 35.4792



40.3527, 20.2354, 11.0420

Triad

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



40.6940, 20.2354, 35.4792



14.8658, 20.2354, 0.5302



9.7916, 20.2354, 78.6600

Complementary

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



40.6940, 20.2354, 35.4792



30.9468, 59.9122, 16.4206

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.



7.1731, 20.2354, 38.6167



40.6940, 20.2354, 35.4792



9.4343, 20.2354, 2.6920

Square

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



40.6940, 20.2354, 35.4792



23.4851, 20.2354, 0.4563



7.0660, 20.2354, 12.5024



15.5281, 20.2354, 110.0669

Rectangle

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



40.6940, 20.2354, 35.4792



36.2420, 20.2354, 4.0193



7.0660, 20.2354, 12.5024



8.6055, 20.2354, 64.8158

Sweetspot

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



40.6946, 20.2365, 35.4795



71.6705, 59.0643, 83.1544



17.5606, 7.3214, 79.0851



14.7973, 11.7182, 17.1175



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.



40.6946, 20.2365, 35.4795



48.9469, 24.3428, 42.5142



34.7755, 17.8689, 4.3098



15.5012, 15.2283, 17.9245



22.7075, 11.2857, 20.0591



1.8263, 0.9035, 1.8025

Inverse Universe

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



40.6946, 20.2365, 35.4795



48.9469, 24.3428, 42.5142



38.7872, 63.0484, 57.7080



15.5012, 15.2283, 17.9245



22.7075, 11.2857, 20.0591



1.8263, 0.9035, 1.8025

Previews

White Background



This preview shows how the XYZ color 40.6940, 20.2354, 35.4792 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 40.6940, 20.2354, 35.4792 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 40.6940, 20.2354, 35.4792

Background



This preview shows how black text looks on a background with the XYZ color 40.6940, 20.2354, 35.4792.



This preview shows how white text looks on a background with the XYZ color 40.6940, 20.2354,

35.4792.

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

40.6940, 20.2354, 35.4792

Protanopia

23.9901, 21.0487, 77.6613

Deuteranopia

21.1922, 20.8035, 31.7527



Tritanopia

35.1299, 20.7182, 7.3017

Trichromacy



Original Color

40.6940, 20.2354, 35.4792



Protanomaly

23.2596, 14.7621, 59.3811



Deuteranomaly

24.2830, 15.8889, 32.3589



Tritanomaly

36.0969, 19.5144, 14.1761

Monochromacy



Original Color

40.6940, 20.2354, 35.4792



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

15.7130, 9.9148, 17.3052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6940, 20.2354, 35.4792 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(235, 0, 161)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 161)  
}
```

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(235, 0, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 161) }
```

Border

The CSS property to change the border of an element to XYZ 40.6940, 20.2354, 35.4792 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(235, 0, 161) }
```


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

```
.border{ border-color:rgb(235, 0, 161) }
```

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

Here you see how a box with a 4 pixel rgb(235, 0, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 161);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6940, 20.2354, 35.4792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 161) }
```

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

```
.background{ background-color: rgb(235, 0,  
161) }
```

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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