

Converting Colors

XYZ(50.5211, 24.3146, 80.5264)

Have a look what the booklet for
XYZ(50.5211, 24.3146, 80.5264)
contains.

XYZ(50.5920, 24.3489, 80.6306)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.5920, 24.3489,
80.6306)**

Conversions

Conversions Part 1

Format	Color
Hex	EF00EB
RGB	239, 0, 235
RGB Percent	94%, 0%, 92%
CMY	0.0627, 0.9998, 0.0784
CMYK	0.00, 1.00, 0.02, 0.06
HSL	301°, 100%, 47%
HSV	301°, 100%, 94%
XYZ	50.5920, 24.3489, 80.6306
YIQ	98.2510, 67.0090, 123.7530

Conversions

Conversions Part 2

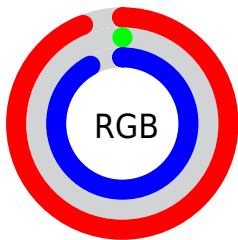
Format	Color
R _Y B	239, 0, 235
Decimal	15663339
CIE Lab	56.44, 92.99, -56.05
CIE LCh	56, 108.580, 328.919
Yxy	24.3489, 0.3252, 0.1565
Android (android.graphics.Color)	4293853419 (0xFFEF00EB)
YUV	98.2510, 67.4173, 123.4369
Hunter-Lab	49.3446, 96.6593, -62.3405

Details

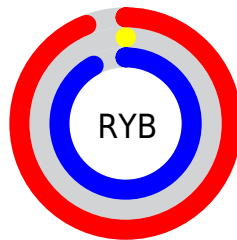
The XYZ color **50.5920, 24.3489, 80.6306** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **30.8896, 61.7430, 10.4056**, and the grayscale version is **11.5038, 12.1029, 13.1801**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **26.3960, 12.6793, 43.1756** is the 20% darker color. If you saturate the color by 10%, you get **50.5924, 24.3491, 80.6304**, and if you desaturate by 10%, it is **50.9759, 25.0232, 81.0443**.

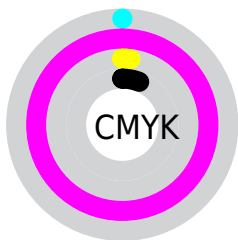
Distribution



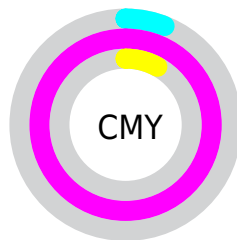
- Red (94%)
- Green (0%)
- Blue (92%)



- Red (94%)
- Yellow (0%)
- Blue (92%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.5920, 24.3489, 80.6306 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 50.5920, 24.3489, 80.6306 by changing the saturation by 10% instead.


 50.5920, 24.3489,
80.6306

 50.5920, 24.3489,
80.6306


379.3904,
274.5797, 516.8182

 36.1037, 15.5926,
59.7082

 90.2380, 50.5990,
136.0714


 24.6848, 9.2364,
42.7597


 116.1264, 68.8615,
171.4268


 15.9699, 4.8957,
29.3666


 146.5456, 91.0617,
212.4303

 9.5935, 2.1862,
19.1104

 181.8609,
117.5838, 259.5005

 5.1905, 0.7124,
11.5724

 222.4377,
148.8123, 313.0558

 2.3954, 0.0000,
6.3343

268.6413,

 0.8428, 0.0000,

185.1315, 373.5148

2.9773

320.8370,
226.9258, 441.2961

■ 0.0000, 0.0000,
1.0831

■ 0.0000, 0.0000,
0.0000

■ 50.5920, 24.3489,
80.6306

■ 50.5920, 24.3489,
80.6306

■ 50.5924, 24.3491,
80.6304

■ 50.9759, 25.0232,
81.0443

■ 51.7589, 26.4965,
81.5915

■ 53.0673, 29.0202,
82.3145

■ 54.9752, 32.7426,
83.2380

■ 57.5448, 37.7885,
84.3827

■ 60.8308, 44.2668,
85.7668

■ 64.8820, 52.2753,
87.4067

■ 69.7430, 61.9032,
89.3171

■ 75.4550, 73.2329,
91.5118

Harmonies

Analogous

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



36.8923, 24.3489, 144.7847



50.5920, 24.3489, 80.6306



56.6504, 24.3489, 27.8381

Triad

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



50.5920, 24.3489, 80.6306



23.6015, 24.3489, 0.0000



7.7892, 24.3489, 75.9790

Complementary

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



50.5920, 24.3489, 80.6306



30.8896, 61.7430, 10.4056

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.



6.4232, 24.3489, 25.2283



50.5920, 24.3489, 80.6306



13.3205, 24.3489, 0.1581

Square

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



50.5920, 24.3489, 80.6306



37.9797, 24.3489, 0.3013



8.0117, 24.3489, 4.4389



12.7819, 24.3489, 140.7759

Rectangle

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



50.5920, 24.3489, 80.6306



54.3217, 24.3489, 9.8178



8.0117, 24.3489, 4.4389



6.9923, 24.3489, 55.8459

Sweetspot

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



50.5930, 24.3500, 80.6311



75.1045, 60.4379, 101.2375



15.6310, 6.2589, 82.0467



15.6276, 12.0503, 21.4893



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.



50.5930, 24.3500, 80.6311



58.6101, 28.2080, 93.3998



38.7231, 19.6021, 18.1253



16.4422, 16.0266, 19.8848



27.9634, 13.4578, 44.5852



2.3299, 1.1210, 3.7282

Inverse Universe

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



50.5930, 24.3500, 80.6311



58.6101, 28.2080, 93.3998



34.4742, 63.1768, 29.2821



16.4422, 16.0266, 19.8848



27.9634, 13.4578, 44.5852



2.3299, 1.1210, 3.7282

Previews

White Background



This preview shows how the XYZ color 50.5920, 24.3489, 80.6306 looks on a white background.

Color Contrast Check

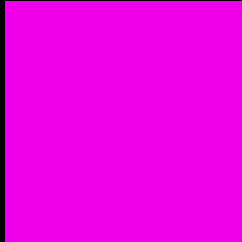
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.5920, 24.3489, 80.6306 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 50.5920, 24.3489, 80.6306

Background



This preview shows how black text looks on a background with the XYZ color 50.5920, 24.3489, 80.6306.



This preview shows how white text looks on a background with the XYZ color 50.5920, 24.3489,

80.6306.

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

50.5920, 24.3489, 80.6306

Protanopia

28.8918, 25.2603, 97.9607

Deuteranopia

25.8346, 25.0902, 71.8879



Tritanopia

37.0831, 24.5437, 14.3382

Trichromacy



Original Color

50.5920, 24.3489, 80.6306



Protanomaly

29.5518, 18.0996, 90.7430



Deuteranomaly

28.2910, 18.0582, 73.9460



Tritanomaly

39.5424, 22.0890, 30.1965

Monochromacy



Original Color

50.5920, 24.3489, 80.6306



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

19.4623, 11.9729, 29.3022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5920, 24.3489, 80.6306 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(239, 0, 235)` looks like.

```
.text, #text, p{  
    color:rgb(239, 0, 235)  
}
```

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(239, 0, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 0, 235) }
```

Border

The CSS property to change the border of an element to XYZ 50.5920, 24.3489, 80.6306 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(239, 0, 235) }
```


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

```
.border{ border-color:rgb(239, 0, 235) }
```

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

Here you see how a box with a 4 pixel rgb(239, 0, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 0, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 0, 235);  
box-shadow:4px 4px 4px 4px rgb(239, 0,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5920, 24.3489, 80.6306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 0, 235) }
```

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

```
.background{ background-color: rgb(239, 0,  
235) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor