

Converting Colors

XYZ(52.1787, 24.8140, 96.6472)

Have a look what the booklet for
XYZ(52.1787, 24.8140, 96.6472)
contains.

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Color

**XYZ(52.3109, 24.8822,
96.6534)**

Conversions

Conversions Part 1

Format	Color
Hex	EB00FF
RGB	235, 0, 255
RGB Percent	92%, 0%, 100%
CMY	0.0784, 0.9999, 0.0000
CMYK	0.08, 1.00, 0.00, 0.00
HSL	295°, 100%, 50%
HSV	295°, 100%, 100%
XYZ	52.3109, 24.8822, 96.6534
YIQ	99.3350, 58.2050, 129.1250

Conversions

Conversions Part 2

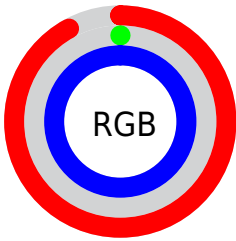
Format	Color
R_{YB}	235, 0, 255
Decimal	15401215
CIE _{Lab}	56.96, 95.27, -66.42
CIE _{LCh}	57, 116.135, 325.116
Yxy	24.8822, 0.3009, 0.1431
Android (android.graphics.Color)	4293591295 (0xFFEB00FF)
YUV	99.3350, 76.7428, 118.9782
Hunter-Lab	49.8821, 99.8979, -79.9651

Details

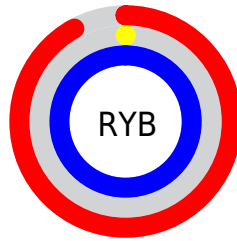
The XYZ color **52.3109, 24.8822, 96.6534** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **36.0494, 71.6692, 11.9346**, and the grayscale version is **11.7521, 12.3641, 13.4646**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **27.5336, 13.0299, 53.8872** is the 20% darker color. If you saturate the color by 10%, you get **52.3106, 24.8820, 96.6534**, and if you desaturate by 10%, it is **53.3349, 25.9433, 96.8042**.

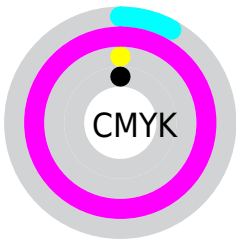
Distribution



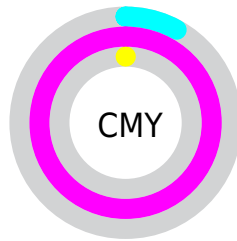
- Red (92%)
- Green (0%)
- Blue (100%)



- Red (92%)
- Yellow (0%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.3109, 24.8822, 96.6534 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 52.3109, 24.8822, 96.6534 by changing the saturation by 10% instead.


 52.3109, 24.8822,
96.6534


 52.3109, 24.8822,
96.6534

385.9400,
277.2508, 570.5637


 37.4782, 15.9893,
72.9074


 92.7611, 51.4661,
158.5620

 25.7533, 9.5166,
53.4089


 119.1093, 69.9258,
197.5618


 16.7709, 5.0796,
37.7393


 150.0268, 92.3433,
242.4831

 10.1656, 2.2941,
25.4802

 185.8788,
119.1029, 293.7447

 5.5720, 0.7706,
16.2129

 227.0308,
150.5891, 351.7650

 2.6248, 0.0000,
9.5189

273.8481,

 0.9586, 0.0000,

187.1862, 416.9626

4.9798

326.6960,
229.2786, 489.7560

■ 0.0000, 0.0000,
2.1769

■ 0.0000, 0.0000,
0.6610

■ 52.3109, 24.8822,
96.6534

■ 52.3109, 24.8822,
96.6534

■ 52.3106, 24.8820,
96.6534

■ 53.3349, 25.9433,
96.8042

■ 54.8327, 27.9419,
97.1111

■ 56.9479, 31.1643,
97.6216

■ 59.7679, 35.7851,
98.3648

63.3659, 41.9507,
99.3653

67.8059, 49.7891,
100.6442

73.1452, 59.4150,
102.2208

79.4362, 70.9329,
104.1124

86.7271, 84.4393,
106.3351

Harmonies

Analogous

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



36.6052, 24.8822, 167.6537



52.3109, 24.8822, 96.6534



60.5389, 24.8822, 33.9957

Triad

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



52.3109, 24.8822, 96.6534



25.9511, 24.8822, 0.0000



6.9747, 24.8822, 73.0538

Complementary

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



52.3109, 24.8822, 96.6534



36.0494, 71.6692, 11.9346

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.



5.9716, 24.8822, 21.1934



52.3109, 24.8822, 96.6534



14.1808, 24.8822, 0.0000

Square

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



52.3109, 24.8822, 96.6534



42.0217, 24.8822, 0.2056



8.0104, 24.8822, 2.8489



11.6072, 24.8822, 147.0308

Rectangle

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



52.3109, 24.8822, 96.6534



59.0330, 24.8822, 11.8574



8.0104, 24.8822, 2.8489



6.3017, 24.8822, 51.7499

Sweetspot

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



52.3119, 24.8833, 96.6535



73.1369, 59.3998, 102.2183



18.3239, 7.7671, 95.1412



15.1484, 11.7974, 21.7287



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.



52.3119, 24.8833, 96.6535



52.3106, 24.8820, 96.6534



46.6465, 23.4232, 30.3982



18.6438, 18.2236, 22.7848



27.3924, 13.0318, 50.5062



2.7071, 1.2895, 4.9195

Inverse Universe

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



41.3670, 21.3114, 2.5967



41.3663, 21.3105, 2.5950



38.3761, 72.5665, 25.6939



18.0672, 18.0102, 18.9709



21.6350, 11.1433, 1.4625



2.1255, 1.0926, 0.2425

Previews

White Background



This preview shows how the XYZ color 52.3109, 24.8822, 96.6534 looks on a white background.

Color Contrast Check

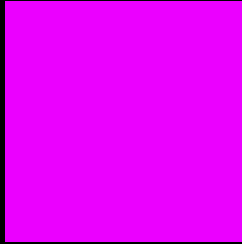
Large Text (above 18pt) WCAG AA ✓ Pass

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 52.3109, 24.8822, 96.6534 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 52.3109, 24.8822, 96.6534

Background



This preview shows how black text looks on a background with the XYZ color 52.3109, 24.8822, 96.6534.



This preview shows how white text looks on a background with the XYZ color 52.3109, 24.8822,

96.6534.

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

52.3109, 24.8822, 96.6534

Protanopia

29.2476, 25.6479, 98.0168

Deuteranopia

26.4821, 25.5408, 85.9722



Tritanopia

35.8263, 24.9276, 16.8332

Trichromacy



Original Color

52.3109, 24.8822, 96.6534



Protanomaly

30.6586, 18.5423, 96.5709



Deuteranomaly

27.7169, 17.5651, 88.3158



Tritanomaly

39.0069, 22.0873, 35.9256

Monochromacy



Original Color

52.3109, 24.8822, 96.6534



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

19.9910, 12.2512, 32.7636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3109, 24.8822, 96.6534 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 255)  
}
```

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, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.3109, 24.8822, 96.6534 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, 255) }
```


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

```
.border{ border-color:rgb(235, 0, 255) }
```

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, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3109, 24.8822, 96.6534 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, 255) }
```

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

```
.background{ background-color: rgb(235, 0,  
255) }
```

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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