

Converting Colors

XYZ(51.0059, 24.6424, 77.0317)

Have a look what the booklet for
XYZ(51.0059, 24.6424, 77.0317)
contains.

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Color

**XYZ(50.9009, 24.5904,
76.9266)**

Conversions

Conversions Part 1

Format	Color
Hex	F200E6
RGB	242, 0, 230
RGB Percent	95%, 0%, 90%
CMY	0.0510, 0.9998, 0.0980
CMYK	0.00, 1.00, 0.05, 0.05
HSL	303°, 100%, 47%
HSV	303°, 100%, 95%
XYZ	50.9009, 24.5904, 76.9266
YIQ	98.5780, 70.4020, 122.8340

Conversions

Conversions Part 2

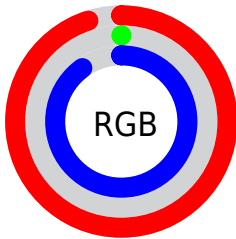
Format	Color
R_{YB}	242, 0, 230
Decimal	15859942
CIE _{Lab}	56.67, 92.79, -52.83
CIE _{LCh}	57, 106.772, 330.344
Yxy	24.5904, 0.3340, 0.1613
Android (android.graphics.Color)	4294050022 (0xFFFF200E6)
YUV	98.5780, 64.7910, 125.7811
Hunter-Lab	49.5887, 96.4431, -57.2640

Details

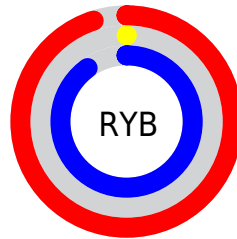
The XYZ color **50.9009, 24.5904, 76.9266** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **31.8197, 63.5320, 10.9350**, and the grayscale version is **11.5906, 12.1942, 13.2795**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **26.6960, 12.8797, 41.1234** is the 20% darker color. If you saturate the color by 10%, you get **50.9011, 24.5906, 76.9254**, and if you desaturate by 10%, it is **51.4022, 25.3216, 77.9284**.

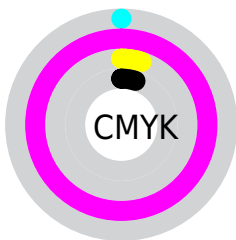
Distribution



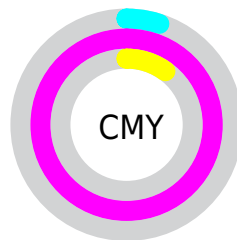
- Red (95%)
- Green (0%)
- Blue (90%)



- Red (95%)
- Yellow (0%)
- Blue (90%)



- Cyan (0%)
- Magenta (100%)
- Yellow (5%)
- Black (5%)



- Cyan (5%)
- Magenta (100%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9009, 24.5904, 76.9266 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 50.9009, 24.5904, 76.9266 by changing the saturation by 10% instead.

 50.9009, 24.5904,
76.9266


 50.9009, 24.5904,
76.9266


380.5726,
275.7919, 503.9448


 36.3505, 15.7722,
56.6814


 90.6921, 50.9919,
130.8079


 24.8764, 9.3631,
40.3419


 116.6636, 69.3440,
165.2812


 16.1132, 4.9787,
27.4894


 147.1729, 91.6429,
205.3342

 9.6956, 2.2348,
17.7054

 182.5852,
118.2728, 251.3855

 5.2583, 0.7389,
10.5715

 223.2660,
149.6183, 303.8537

 2.4359, 0.0000,
5.6689

269.5806,

 0.8631, 0.0000,

186.0637, 363.1573

2.5793

321.8944,
227.9935, 429.7148

■ 0.0000, 0.0000,
0.8818

■ 0.0000, 0.0000,
0.0000

■ 50.9009, 24.5904,
76.9266

■ 50.9009, 24.5904,
76.9266

■ 50.9011, 24.5906,
76.9254

■ 51.4022, 25.3216,
77.9284

■ 52.3161, 26.8767,
79.0733

■ 53.7715, 29.5132,
80.4045

■ 55.8453, 33.3843,
81.9476

■ 58.6015, 38.6186,
83.7239

■ 62.0965, 45.3285,
85.7522

■ 66.3806, 53.6149,
88.0494

■ 71.4999, 63.5696,
90.6308

■ 77.4967, 75.2776,
93.5105

Harmonies

Analogous

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



37.6449, 24.5904, 139.9321



50.9009, 24.5904, 76.9266



56.3430, 24.5904, 26.3654

Triad

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



50.9009, 24.5904, 76.9266



23.2291, 24.5904, 0.0000



8.2192, 24.5904, 78.3760

Complementary

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



50.9009, 24.5904, 76.9266



31.8197, 63.5320, 10.9350

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.



6.6937, 24.5904, 27.1884



50.9009, 24.5904, 76.9266



13.2582, 24.5904, 0.3894

Square

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



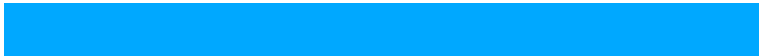
50.9009, 24.5904, 76.9266



37.3040, 24.5904, 0.3445



8.1478, 24.5904, 5.1804



13.4295, 24.5904, 141.1750

Rectangle

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



50.9009, 24.5904, 76.9266



53.7057, 24.5904, 9.3320



8.1478, 24.5904, 5.1804



7.3624, 24.5904, 58.3171

Sweetspot

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



50.9019, 24.5916, 76.9271



74.7051, 60.2781, 99.1343



16.1291, 6.4641, 84.4031



15.5302, 12.0113, 20.9768



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.



50.9019, 24.5916, 76.9271



57.3200, 27.6920, 86.6061



39.5970, 20.0696, 17.3966



16.4184, 16.0171, 19.7596



27.3597, 13.2163, 41.4062



2.2864, 1.1036, 3.4991

Inverse Universe

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



50.9019, 24.5916, 76.9271



57.3200, 27.6920, 86.6061



35.7213, 65.0927, 31.4805



16.4184, 16.0171, 19.7596



27.3597, 13.2163, 41.4062



2.2864, 1.1036, 3.4991

Previews

White Background



This preview shows how the XYZ color 50.9009, 24.5904, 76.9266 looks on a white background.

Color Contrast Check

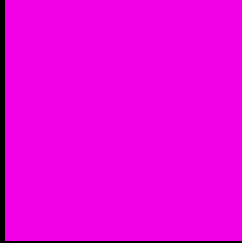
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.9009, 24.5904, 76.9266 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 50.9009, 24.5904, 76.9266

Background



This preview shows how black text looks on a background with the XYZ color 50.9009, 24.5904, 76.9266.



This preview shows how white text looks on a background with the XYZ color 50.9009, 24.5904,

76.9266.

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

50.9009, 24.5904, 76.9266

Protanopia

29.0361, 25.3347, 97.9675

Deuteranopia

25.9564, 25.2289, 68.4674



Tritanopia

37.7624, 24.6508, 13.8341

Trichromacy



Original Color

50.9009, 24.5904, 76.9266



Protanomaly

29.5559, 18.1374, 89.1319



Deuteranomaly

28.6721, 18.3327, 70.4340



Tritanomaly

40.1782, 22.2942, 28.9737

Monochromacy



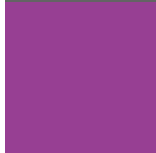
Original Color

50.9009, 24.5904, 76.9266



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

19.8065, 12.2409, 28.9226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9009, 24.5904, 76.9266 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(242, 0, 230)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 230)  
}
```

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(242, 0, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 230) }
```

Border

The CSS property to change the border of an element to XYZ 50.9009, 24.5904, 76.9266 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(242, 0, 230) }
```


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

```
.border{ border-color:rgb(242, 0, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 0, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 230);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9009, 24.5904, 76.9266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 230) }
```

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

```
.background{ background-color: rgb(242, 0,  
230) }
```

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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