

# Converting Colors

XYZ(52.0576, 24.8800, 90.8394)

Have a look what the booklet for  
XYZ(52.0576, 24.8800, 90.8394)  
contains.

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# Color

**XYZ(52.2032, 24.9545,  
90.8722)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EE00F8
RGB	238, 0, 248
RGB Percent	93%, 0%, 97%
CMY	0.0667, 0.9998, 0.0274
CMYK	0.04, 1.00, 0.00, 0.03
HSL	298°, 100%, 49%
HSV	298°, 100%, 97%
XYZ	52.2032, 24.9545, 90.8722
YIQ	99.4340, 62.2400, 127.5840

# Conversions

## Conversions Part 2

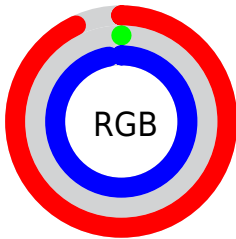
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 0, 248
Decimal	15597816
CIE Lab	57.03, 94.68, -62.39
CIE LCh	57, 113.387, 326.619
Yxy	24.9545, 0.3107, 0.1485
Android (android.graphics.Color)	4293787896 (0xFFEE00F8)
YUV	99.4340, 73.2430, 121.5224
Hunter-Lab	49.9545, 99.1149, -72.8863

# Details

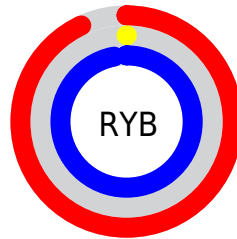
The XYZ color **52.2032, 24.9545, 90.8722** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **33.6934, 67.1999, 11.1962**, and the grayscale version is **11.7850, 12.3987, 13.5022**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **27.5354, 13.1087, 50.3692** is the 20% darker color. If you saturate the color by 10%, you get **52.2033, 24.9545, 90.8725**, and if you desaturate by 10%, it is **52.8848, 25.8168, 91.0031**.

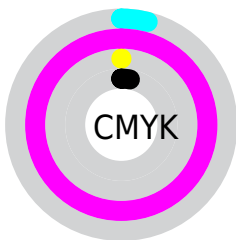
# Distribution



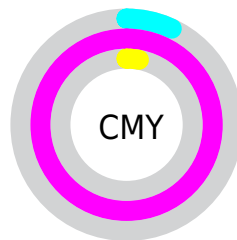
- Red (93%)
- Green (0%)
- Blue (97%)



- Red (93%)
- Yellow (0%)
- Blue (97%)



- Cyan (4%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)




- Cyan (7%)
- Magenta (100%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2032, 24.9545, 90.8722 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 52.2032, 24.9545, 90.8722 by changing the saturation by 10% instead.



 52.2032, 24.9545,  
90.8722

 52.2032, 24.9545,  
90.8722


385.5317,  
277.6113, 551.5072

 37.3920, 16.0432,  
68.1265

 92.6033, 51.5834,  
150.4954

 25.6862, 9.5547,  
49.5333

 118.9229, 70.0697,  
188.2100


 16.7205, 5.1047,  
34.6741


 149.8093, 92.5166,  
231.7513

 10.1295, 2.3088,  
23.1304


 185.6280,  
119.3082, 281.5378

 5.5478, 0.7784,  
14.4836

 226.7442,  
150.8291, 337.9881

 2.6101, 0.0000,  
8.3152

273.5233,

 0.9511, 0.0000,

187.4637, 401.5208

4.2067

326.3307,  
229.5963, 472.5543

■ 0.0000, 0.0000,  
1.7394

■ 0.0000, 0.0000,  
0.3875

■ 52.2032, 24.9545,  
90.8722

■ 52.2032, 24.9545,  
90.8722

■ 52.2033, 24.9545,  
90.8725

■ 52.8848, 25.8168,  
91.0031

■ 54.0044, 27.5533,  
91.2792

■ 55.6978, 30.4348,  
91.7462

■ 58.0464, 34.6239,  
92.4310

61.1186, 40.2574,  
93.3564

64.9742, 47.4547,  
94.5424

69.6665, 56.3229,  
96.0068

75.2446, 66.9596,  
97.7659

81.7533, 79.4549,  
99.8347

# Harmonies

## Analogous

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



37.1554, 24.9545, 159.8004



52.2032, 24.9545, 90.8722



59.6067, 24.9545, 31.7340

# Triad

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



52.2032, 24.9545, 90.8722



25.2623, 24.9545, 0.0000



7.3916, 24.9545, 75.1144

# Complementary

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



52.2032, 24.9545, 90.8722



33.6934, 67.1999, 11.1962

# 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.



6.2301, 24.9545, 23.0682



52.2032, 24.9545, 90.8722



13.9884, 24.9545, 0.0000

# Square

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



52.2032, 24.9545, 90.8722



40.7997, 24.9545, 0.2550



8.1083, 24.9545, 3.4898



12.2268, 24.9545, 146.1070



# Rectangle

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



52.2032, 24.9545, 90.8722



57.7302, 24.9545, 11.1201



8.1083, 24.9545, 3.4898



6.6605, 24.9545, 54.0362

# Sweetspot

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



52.2043, 24.9556, 90.8727



74.1843, 59.9398, 102.2673



17.0806, 7.0512, 89.2680



15.4032, 11.9288, 21.7406



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.



52.2043, 24.9556, 90.8727



55.6077, 26.5817, 96.8077



43.1856, 21.7468, 25.3699



17.9198, 17.4868, 21.8161



28.2302, 13.4959, 49.0906



2.6355, 1.2607, 4.5476



# Inverse Universe

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



38.7669, 19.9794, 2.1014



41.2963, 21.2825, 2.2266



36.4716, 68.2967, 26.4793



17.2730, 17.2365, 18.0272



20.9536, 10.7972, 1.1982



1.9503, 1.0039, 0.1618



# Previews

## White Background



This preview shows how the XYZ color 52.2032, 24.9545, 90.8722 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

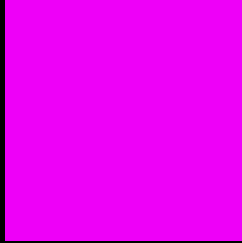
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.2032, 24.9545, 90.8722 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 52.2032, 24.9545, 90.8722**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.2032, 24.9545, 90.8722.



This preview shows how white text looks on a background with the XYZ color 52.2032, 24.9545,

90.8722.

# 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

52.2032, 24.9545, 90.8722

### Protanopia

29.3228, 25.6867, 98.0203

### Deuteranopia

26.4664, 25.6505, 80.6469



## Tritanopia

36.8976, 25.0785, 15.9926

# Trichromacy



## Original Color

52.2032, 24.9545, 90.8722



## Protanomaly

30.4921, 18.5118, 94.0615



## Deuteranomaly

28.2824, 17.9778, 82.8683



## Tritanomaly

39.7183, 22.3395, 33.6711

# Monochromacy



## Original Color

52.2032, 24.9545, 90.8722



## Achromatopsia

11.8596, 12.4772, 13.5877



## Achromatomaly

20.1050, 12.3390, 31.4590

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.2032, 24.9545, 90.8722 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(238, 0, 248)` looks like.

```
.text, #text, p{  
    color:rgb(238, 0, 248)  
}
```

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(238, 0, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 0, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 52.2032, 24.9545, 90.8722 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(238, 0, 248) }
```



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

```
.border{ border-color:rgb(238, 0, 248) }
```

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

Here you see how a box with a 4 pixel rgb(238, 0, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 0, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 0, 248);  
box-shadow:4px 4px 4px 4px rgb(238, 0,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.2032, 24.9545, 90.8722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 0, 248) }
```

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

```
.background{ background-color: rgb(238, 0,  
248) }
```

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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