

Converting Colors

XYZ(50.0363, 24.1540, 76.4686)

Have a look what the booklet for
XYZ(50.0363, 24.1540, 76.4686)
contains.

XYZ(50.0780, 24.1824, 76.1570)	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(50.0780, 24.1824,
76.1570)**

Conversions

Conversions Part 1

Format	Color
Hex	F000E5
RGB	240, 0, 229
RGB Percent	94%, 0%, 90%
CMY	0.0588, 0.9998, 0.1020
CMYK	0.00, 1.00, 0.05, 0.06
HSL	303°, 100%, 47%
HSV	303°, 100%, 94%
XYZ	50.0780, 24.1824, 76.1570
YIQ	97.8660, 69.5310, 122.0990

Conversions

Conversions Part 2

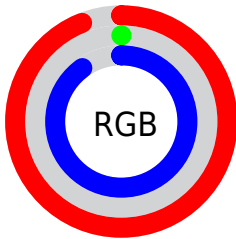
Format	Color
R_{YB}	240, 0, 229
Decimal	15728869
CIE _{Lab}	56.27, 92.33, -52.93
CIE _{LCh}	56, 106.424, 330.175
Yxy	24.1824, 0.3329, 0.1608
Android (android.graphics.Color)	4293918949 (0xFFFF00E5)
YUV	97.8660, 64.6491, 124.6515
Hunter-Lab	49.1756, 95.7183, -57.3980

Details

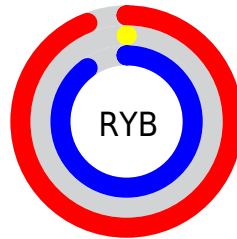
The XYZ color **50.0780, 24.1824, 76.1570** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **31.2216, 62.3454, 10.7062**, and the grayscale version is **11.4151, 12.0096, 13.0784**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **26.1332, 12.6008, 40.5900** is the 20% darker color. If you saturate the color by 10%, you get **50.0782, 24.1825, 76.1559**, and if you desaturate by 10%, it is **50.5602, 24.8993, 77.0783**.

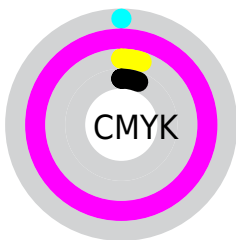
Distribution



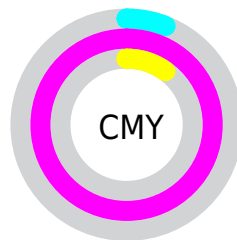
- Red (94%)
- Green (0%)
- Blue (90%)



- Red (94%)
- Yellow (0%)
- Blue (90%)



- Cyan (0%)
- Magenta (100%)
- Yellow (5%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0780, 24.1824, 76.1570 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 50.0780, 24.1824, 76.1570 by changing the saturation by 10% instead.

 50.0780, 24.1824,
76.1570


 50.0780, 24.1824,
76.1570


377.4178,
273.7413, 501.2461


 35.6934, 15.4690,
56.0538


 89.4816, 50.3277,
129.7109

 24.3665, 9.1492,
39.8418


 115.2313, 68.5283,
163.9988


 15.7319, 4.8386,
27.1024


 145.5001, 90.6602,
203.8519

 9.4243, 2.1529,
17.4170

 180.6533,
117.1077, 249.6889

 5.0783, 0.6941,
10.3672

 221.0563,
148.2551, 301.9283

 2.3285, 0.0000,
5.5343

267.0745,

 0.8092, 0.0000,

184.4869, 360.9886

2.4999

319.0733,
226.1876, 427.2883

■ 0.0000, 0.0000,
0.8401

■ 0.0000, 0.0000,
0.0000

■ 50.0780, 24.1824,
76.1570

■ 50.0780, 24.1824,
76.1570

■ 50.0782, 24.1825,
76.1559

■ 50.5602, 24.8993,
77.0783

■ 51.4465, 26.4238,
78.1390

■ 52.8640, 29.0091,
79.3815

■ 54.8878, 32.8052,
80.8310

■ 57.5807, 37.9382,
82.5083

■ 60.9979, 44.5181,
84.4320

■ 65.1888, 52.6437,
86.6184

■ 70.1984, 62.4052,
89.0825

■ 76.0682, 73.8858,
91.8383

Harmonies

Analogous

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



36.9756, 24.1824, 138.3196



50.0780, 24.1824, 76.1570



55.5068, 24.1824, 26.1246

Triad

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



50.0780, 24.1824, 76.1570



22.9126, 24.1824, 0.0000



8.0420, 24.1824, 76.8851

Complementary

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



50.0780, 24.1824, 76.1570



31.2216, 62.3454, 10.7062

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.



6.5588, 24.1824, 26.5375



50.0780, 24.1824, 76.1570



13.0605, 24.1824, 0.3506

Square

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



50.0780, 24.1824, 76.1570



36.8045, 24.1824, 0.3278



8.0063, 24.1824, 5.0112



13.1464, 24.1824, 138.9444

Rectangle

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



50.0780, 24.1824, 76.1570



52.9456, 24.1824, 9.2430



8.0063, 24.1824, 5.0112



7.2055, 24.1824, 57.1271

Sweetspot

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



50.0790, 24.1836, 76.1575



74.7505, 60.2963, 99.3733



15.8295, 6.3442, 82.8292



15.5413, 12.0158, 21.0350



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.



50.0790, 24.1836, 76.1575



57.4645, 27.7498, 87.3669



38.8620, 19.6968, 17.0896



16.4211, 16.0182, 19.7739



27.4273, 13.2434, 41.7623



2.2913, 1.1056, 3.5248

Inverse Universe

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



50.0790, 24.1836, 76.1575



57.4645, 27.7498, 87.3669



35.0586, 63.8802, 30.9115



16.4211, 16.0182, 19.7739



27.4273, 13.2434, 41.7623



2.2913, 1.1056, 3.5248

Previews

White Background



This preview shows how the XYZ color 50.0780, 24.1824, 76.1570 looks on a white background.

Color Contrast Check

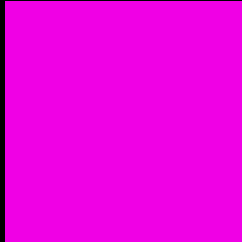
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.0780, 24.1824, 76.1570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

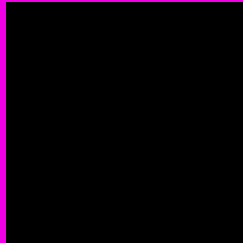
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0780, 24.1824, 76.1570

Background



This preview shows how black text looks on a background with the XYZ color 50.0780, 24.1824, 76.1570.



This preview shows how white text looks on a background with the XYZ color 50.0780, 24.1824,

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

50.0780, 24.1824, 76.1570

Protanopia

28.6852, 24.9515, 97.9120

Deuteranopia

25.4835, 24.7899, 67.7318



Tritanopia

37.1315, 24.3256, 13.8046

Trichromacy



Original Color

50.0780, 24.1824, 76.1570



Protanomaly

29.1649, 17.8198, 89.0912



Deuteranomaly

28.1805, 18.0947, 69.7175



Tritanomaly

39.4522, 21.9288, 28.5389

Monochromacy



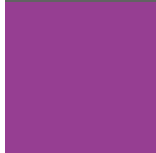
Original Color

50.0780, 24.1824, 76.1570



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

19.4886, 12.0046, 28.4841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0780, 24.1824, 76.1570 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(240, 0, 229)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 229)  
}
```

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(240, 0, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 229) }
```

Border

The CSS property to change the border of an element to XYZ 50.0780, 24.1824, 76.1570 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(240, 0, 229) }
```


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

```
.border{ border-color:rgb(240, 0, 229) }
```

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

Here you see how a box with a 4 pixel rgb(240, 0, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 229);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0780, 24.1824, 76.1570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 229) }
```

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

```
.background{ background-color: rgb(240, 0,  
229) }
```

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