

Converting Colors

XYZ(50.2223, 24.2399, 76.9278)

Have a look what the booklet for
XYZ(50.2223, 24.2399, 76.9278)
contains.

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Color

**XYZ(50.2181, 24.2384,
76.8946)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F000E6 |
| RGB | 240, 0, 230 |
| RGB Percent | 94%, 0%, 90% |
| CMY | 0.0588, 0.9998, 0.0980 |
| CMYK | 0.00, 1.00, 0.04, 0.06 |
| HSL | 303°, 100%, 47% |
| HSV | 303°, 100%, 94% |
| XYZ | 50.2181, 24.2384, 76.8946 |
| YIQ | 97.9800, 69.2100, 122.4100 |

Conversions

Conversions Part 2

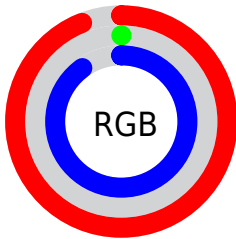
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 240, 0, 230 |
| Decimal | 15728870 |
| CIE _{Lab} | 56.33, 92.46, -53.41 |
| CIE _{LCh} | 56, 106.779, 329.990 |
| Yxy | 24.2384, 0.3318, 0.1601 |
| Android (android.graphics.Color) | 4293918950 (0xFFFF00E6) |
| YUV | 97.9800, 65.0859, 124.5515 |
| Hunter-Lab | 49.2325, 95.9165, -58.1403 |

Details

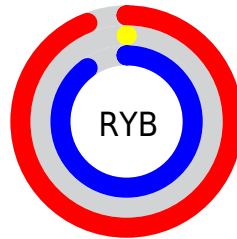
The XYZ color **50.2181, 24.2384, 76.8946** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **31.2160, 62.3433, 10.6765**, and the grayscale version is **11.4418, 12.0377, 13.1090**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **26.2304, 12.6397, 41.1016** is the 20% darker color. If you saturate the color by 10%, you get **50.2184, 24.2386, 76.8937**, and if you desaturate by 10%, it is **50.6870, 24.9500, 77.7461**.

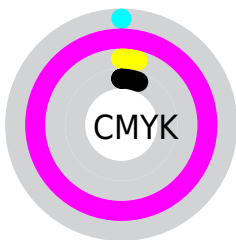
Distribution



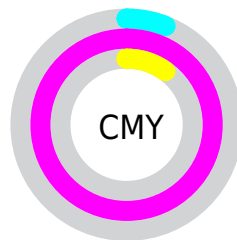
- Red (94%)
- Green (0%)
- Blue (90%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (4%)
- Black (6%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2181, 24.2384, 76.8946 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 50.2181, 24.2384, 76.8946 by changing the saturation by 10% instead.


 50.2181, 24.2384,
76.8946

 50.2181, 24.2384,
76.8946

377.9561,
274.0235, 503.8327


 35.8052, 15.5106,
56.6553


 89.6878, 50.4190,
130.7623

 24.4532, 9.1785,
40.3211


 115.4754, 68.6405,
165.2279


 15.7967, 4.8578,
27.4733


 145.7853, 90.7953,
205.2726

 9.4704, 2.1641,
17.6934

 180.9827,
117.2679, 251.3150

 5.1088, 0.7003,
10.5629

 221.4332,
148.4426, 303.7737

 2.3466, 0.0000,
5.6633

267.5020,

 0.8184, 0.0000,

184.7039, 363.0672

2.5760

319.5546,
226.4360, 429.6140

■ 0.0000, 0.0000,
0.8800

■ 0.0000, 0.0000,
0.0000

■ 50.2181, 24.2384,
76.8946

■ 50.2181, 24.2384,
76.8946

■ 50.2184, 24.2386,
76.8937

■ 50.6870, 24.9500,
77.7461

■ 51.5599, 26.4689,
78.7361

■ 52.9638, 29.0487,
79.9071

■ 54.9737, 32.8392,
81.2842

■ 57.6526, 37.9664,
82.8882

■ 61.0556, 44.5405,
84.7376

■ 65.2322, 52.6603,
86.8488

■ 70.2272, 62.4158,
89.2369

■ 76.0824, 73.8903,
91.9158

Harmonies

Analogous

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



37.0122, 24.2384, 139.4253



50.2181, 24.2384, 76.8946



55.7445, 24.2384, 26.4029

Triad

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



50.2181, 24.2384, 76.8946



23.0418, 24.2384, 0.0000



8.0157, 24.2384, 76.8544

Complementary

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



50.2181, 24.2384, 76.8946



31.2160, 62.3433, 10.6765

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.



6.5478, 24.2384, 26.3801



50.2181, 24.2384, 76.8946



13.1153, 24.2384, 0.3237

Square

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



50.2181, 24.2384, 76.8946



37.0217, 24.2384, 0.3250



8.0177, 24.2384, 4.9321



13.1106, 24.2384, 139.3908

Rectangle

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



50.2181, 24.2384, 76.8946



53.2132, 24.2384, 9.3371



8.0177, 24.2384, 4.9321



7.1839, 24.2384, 57.0154

Sweetspot

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



50.2191, 24.2396, 76.8951



74.8009, 60.3165, 99.6389



15.8294, 6.3441, 82.8294



15.5536, 12.0207, 21.0997



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.



50.2191, 24.2396, 76.8951



57.6257, 27.8143, 88.2161



38.8619, 19.6967, 17.0892



16.4241, 16.0194, 19.7897



27.5028, 13.2735, 42.1598



2.2968, 1.1077, 3.5535

Inverse Universe

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



50.2191, 24.2396, 76.8951



57.6257, 27.8143, 88.2161



35.0585, 63.8803, 30.9110



16.4241, 16.0194, 19.7897



27.5028, 13.2735, 42.1598



2.2968, 1.1077, 3.5535

Previews

White Background



This preview shows how the XYZ color 50.2181, 24.2384, 76.8946 looks on a white background.

Color Contrast Check

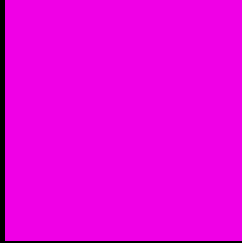
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.2181, 24.2384, 76.8946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

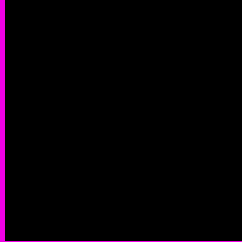
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 50.2181, 24.2384, 76.8946

Background



This preview shows how black text looks on a background with the XYZ color 50.2181, 24.2384, 76.8946.



This preview shows how white text looks on a background with the XYZ color 50.2181, 24.2384,

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

50.2181, 24.2384, 76.8946

Protanopia

28.8918, 25.2603, 97.9607

Deuteranopia

25.5132, 24.7903, 68.4061



Tritanopia

37.1315, 24.3256, 13.8046

Trichromacy



Original Color

50.2181, 24.2384, 76.8946



Protanomaly

29.2431, 17.9761, 89.1172



Deuteranomaly

28.1364, 18.0566, 70.4089



Tritanomaly

39.5290, 21.9595, 28.9433

Monochromacy



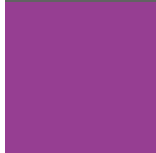
Original Color

50.2181, 24.2384, 76.8946



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 50.2181, 24.2384, 76.8946 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(240, 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(240, 0, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 230) }
```

Border

The CSS property to change the border of an element to XYZ 50.2181, 24.2384, 76.8946 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, 230) }
```


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

```
.border{ border-color:rgb(240, 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(240, 0, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 230);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2181, 24.2384, 76.8946 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, 230) }
```

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

```
.background{ background-color: rgb(240, 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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