

Converting Colors

XYZ(50.3920, 24.3968, 73.7984)

Have a look what the booklet for
XYZ(50.3920, 24.3968, 73.7984)
contains.

XYZ(50.3454, 24.3682, 74.0015)	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(50.3454, 24.3682,
74.0015)**

Conversions

Conversions Part 1

Format	Color
Hex	F200E2
RGB	242, 0, 226
RGB Percent	95%, 0%, 89%
CMY	0.0510, 0.9998, 0.1137
CMYK	0.00, 1.00, 0.07, 0.05
HSL	304°, 100%, 47%
HSV	304°, 100%, 95%
XYZ	50.3454, 24.3682, 74.0015
YIQ	98.1220, 71.6860, 121.5900

Conversions

Conversions Part 2

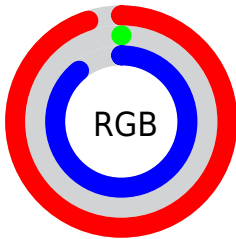
Format	Color
R _Y B	242, 0, 226
Decimal	15859938
CIE _{Lab}	56.45, 92.25, -50.92
CIE _{LCh}	56, 105.371, 331.102
Yxy	24.3682, 0.3385, 0.1639
Android (android.graphics.Color)	4294050018 (0xFFFF200E2)
YUV	98.1220, 63.0439, 126.1810
Hunter-Lab	49.3642, 95.6609, -54.3264

Details

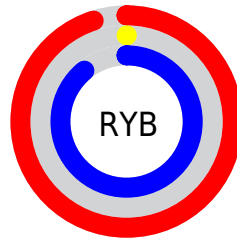
The XYZ color **50.3454, 24.3682, 74.0015** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **31.8469, 63.5428, 11.0784**, and the grayscale version is **11.4817, 12.0796, 13.1547**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **26.3118, 12.7260, 39.0998** is the 20% darker color. If you saturate the color by 10%, you get **50.3455, 24.3683, 73.9998**, and if you desaturate by 10%, it is **50.8982, 25.1200, 75.2745**.

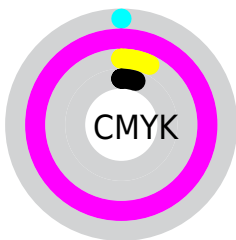
Distribution



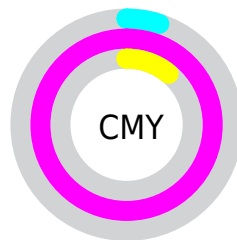
- Red (95%)
- Green (0%)
- Blue (89%)



- Red (95%)
- Yellow (0%)
- Blue (89%)



- Cyan (0%)
- Magenta (100%)
- Yellow (7%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3454, 24.3682, 74.0015 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 50.3454, 24.3682, 74.0015 by changing the saturation by 10% instead.


 50.3454, 24.3682,
74.0015


 50.3454, 24.3682,
74.0015


378.4448,
274.6767, 493.6421

 35.9068, 15.6070,
54.2985


 89.8752, 50.6304,
126.6320


 24.5320, 9.2465,
38.4455


 115.6971, 68.9001,
160.3965

 15.8556, 4.9023,
26.0242


 146.0442, 91.1082,
199.6853

 9.5122, 2.1900,
16.6158

 181.2819,
117.6389, 244.9169

 5.1365, 0.7146,
9.8019

 221.7754,
148.8768, 296.5099

 2.3632, 0.0000,
5.1639

267.8902,

 0.8267, 0.0000,

185.2061, 354.8827

2.2833

319.9915,
227.0113, 420.4539

■ 0.0000, 0.0000,
0.7219

■ 0.0000, 0.0000,
0.0000

■ 50.3454, 24.3682,
74.0015

■ 50.3454, 24.3682,
74.0015

■ 50.3455, 24.3683,
73.9998

■ 50.8982, 25.1200,
75.2745

■ 51.8645, 26.6961,
76.6953

■ 53.3733, 29.3540,
78.3072

■ 55.5012, 33.2468,
80.1356

■ 58.3125, 38.5032,
82.2020

■ 61.8635, 45.2356,
84.5252

■ 66.2046, 53.5448,
87.1221

■ 71.3817, 63.5227,
90.0080

■ 77.4373, 75.2542,
93.1970

Harmonies

Analogous

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



37.5047, 24.3682, 135.5398



50.3454, 24.3682, 74.0015



55.3967, 24.3682, 25.2623

Triad

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



50.3454, 24.3682, 74.0015



22.7133, 24.3682, 0.0000



8.3284, 24.3682, 78.5222

Complementary

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



50.3454, 24.3682, 74.0015



31.8469, 63.5428, 11.0784

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.



6.7397, 24.3682, 27.8452



50.3454, 24.3682, 74.0015



13.0391, 24.3682, 0.4972

Square

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



50.3454, 24.3682, 74.0015



36.4380, 24.3682, 0.3555



8.1024, 24.3682, 5.5155



13.5789, 24.3682, 139.4062

Rectangle

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



50.3454, 24.3682, 74.0015



52.6398, 24.3682, 8.9578



8.1024, 24.3682, 5.5155



7.4519, 24.3682, 58.7896

Sweetspot

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



50.3464, 24.3694, 74.0020



74.5061, 60.1986, 98.0866



16.1812, 6.4910, 84.4054



15.4818, 11.9920, 20.7219



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.



50.3464, 24.3694, 74.0020



56.6927, 27.4411, 83.3029



39.3750, 19.9809, 16.2279



16.4065, 16.0123, 19.6968



27.0659, 13.0988, 39.8594



2.2651, 1.0951, 3.3871

Inverse Universe

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



50.3464, 24.3694, 74.0020



56.6927, 27.4411, 83.3029



35.9949, 65.2020, 32.9218



16.4065, 16.0123, 19.6968



27.0659, 13.0988, 39.8594



2.2651, 1.0951, 3.3871

Previews

White Background



This preview shows how the XYZ color 50.3454, 24.3682, 74.0015 looks on a white background.

Color Contrast Check

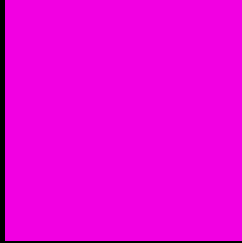
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.3454, 24.3682, 74.0015 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 50.3454, 24.3682, 74.0015

Background



This preview shows how black text looks on a background with the XYZ color 50.3454, 24.3682, 74.0015.



This preview shows how white text looks on a background with the XYZ color 50.3454, 24.3682,

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

50.3454, 24.3682, 74.0015

Protanopia

28.9633, 25.2971, 97.9640

Deuteranopia

25.6176, 24.9032, 65.7440



Tritanopia

37.9059, 24.6109, 13.3422

Trichromacy



Original Color

50.3454, 24.3682, 74.0015



Protanomaly

29.2505, 18.0152, 87.5236



Deuteranomaly

28.5103, 18.3102, 67.6772



Tritanomaly

40.2773, 22.3717, 27.7865

Monochromacy



Original Color

50.3454, 24.3682, 74.0015



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

19.4111, 11.9736, 28.0761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3454, 24.3682, 74.0015 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 226) }
```

Border

The CSS property to change the border of an element to XYZ 50.3454, 24.3682, 74.0015 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, 226) }
```


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

```
.border{ border-color:rgb(242, 0, 226) }
```

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, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 226);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3454, 24.3682, 74.0015 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, 226) }
```

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

```
.background{ background-color: rgb(242, 0,  
226) }
```

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