

Converting Colors

XYZ(50.1565, 24.1029, 81.5806)

Have a look what the booklet for
XYZ(50.1565, 24.1029, 81.5806)
contains.

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Color

**XYZ(50.0654, 24.0607,
81.3623)**

Conversions

Conversions Part 1

Format	Color
Hex	ED00EC
RGB	237, 0, 236
RGB Percent	93%, 0%, 93%
CMY	0.0706, 0.9998, 0.0745
CMYK	0.00, 1.00, 0.00, 0.07
HSL	300°, 100%, 46%
HSV	300°, 100%, 93%
XYZ	50.0654, 24.0607, 81.3623
YIQ	97.7670, 65.4960, 123.6400

Conversions

Conversions Part 2

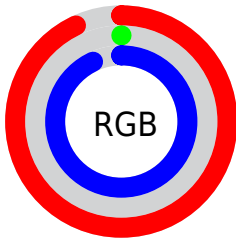
Format	Color
R_{YB}	237, 0, 236
Decimal	15532268
CIE _{Lab}	56.15, 92.82, -57.10
CIE _{LCh}	56, 108.973, 328.403
Yxy	24.0607, 0.3220, 0.1547
Android (android.graphics.Color)	4293722348 (0xFFED00EC)
YUV	97.7670, 68.1489, 122.1073
Hunter-Lab	49.0517, 96.3484, -64.0084

Details

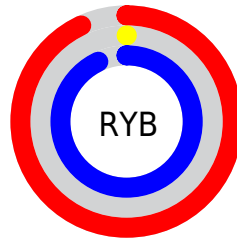
The XYZ color **50.0654, 24.0607, 81.3623** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **30.2909, 60.5718, 10.1250**, and the grayscale version is **11.3829, 11.9757, 13.0415**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **26.0412, 12.4848, 43.6851** is the 20% darker color. If you saturate the color by 10%, you get **50.0659, 24.0609, 81.3625**, and if you desaturate by 10%, it is **50.4018, 24.7094, 81.5464**.

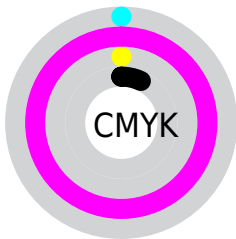
Distribution



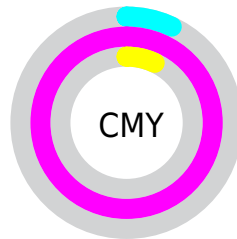
- Red (93%)
- Green (0%)
- Blue (93%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0654, 24.0607, 81.3623 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 50.0654, 24.0607, 81.3623 by changing the saturation by 10% instead.

 50.0654, 24.0607,
81.3623

 50.0654, 24.0607,
81.3623


377.3694,
273.1272, 519.3394

 35.6834, 15.3787,
60.3073


 89.4630, 50.1292,
137.1080


 24.3587, 9.0856,
43.2394


 115.2093, 68.2845,
172.6358


 15.7261, 4.7970,
29.7402


 145.4744, 90.3663,
213.8249

 9.4202, 2.1287,
19.3911

 180.6237,
116.7591, 261.0939

 5.0755, 0.6807,
11.7736

 221.0224,
147.8471, 314.8613

 2.3269, 0.0000,
6.4690

267.0361,

 0.8084, 0.0000,

184.0149, 375.5457

3.0590

319.0300,
225.6468, 443.5655

■ 0.0000, 0.0000,
1.1248

■ 0.0000, 0.0000,
0.0000

■ 50.0654, 24.0607,
81.3623

■ 50.0654, 24.0607,
81.3623

■ 50.0659, 24.0609,
81.3625

■ 50.4018, 24.7094,
81.5464

■ 51.1293, 26.1411,
81.8607

■ 52.3719, 28.6029,
82.3468

■ 54.2021, 32.2401,
83.0288

■ 56.6812, 37.1748,
83.9271

■ 59.8624, 43.5139,
85.0595

■ 63.7936, 51.3530,
86.4420

■ 68.5186, 60.7795,
88.0891

■ 74.0776, 71.8742,
90.0142

Harmonies

Analogous

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



36.3164, 24.0607, 145.4161



50.0654, 24.0607, 81.3623



56.3008, 24.0607, 28.1640

Triad

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



50.0654, 24.0607, 81.3623



23.5455, 24.0607, 0.0000



7.5706, 24.0607, 74.4911

Complementary

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



50.0654, 24.0607, 81.3623



30.2909, 60.5718, 10.1250

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.



6.2724, 24.0607, 24.3257



50.0654, 24.0607, 81.3623



13.2337, 24.0607, 0.0666

Square

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



50.0654, 24.0607, 81.3623



37.9189, 24.0607, 0.2789



7.8958, 24.0607, 4.1485



12.4441, 24.0607, 139.4835

Rectangle

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



50.0654, 24.0607, 81.3623



54.1054, 24.0607, 9.9191



7.8958, 24.0607, 4.1485



6.8017, 24.0607, 54.4998

Sweetspot

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



50.0664, 24.0618, 81.3628



75.2581, 60.4993, 102.0462



15.2872, 6.1157, 80.4967



15.6650, 12.0652, 21.6866



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.



50.0664, 24.0618, 81.3628



59.1170, 28.4108, 96.0690



38.2271, 19.3261, 19.0178



15.7120, 15.3126, 19.0345



27.3351, 13.1367, 44.4273



2.1474, 1.0319, 3.4933

Inverse Universe

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



50.0664, 24.0618, 81.3628



59.1170, 28.4108, 96.0690



33.5862, 61.8900, 27.4781



15.7120, 15.3126, 19.0345



27.3351, 13.1367, 44.4273



2.1474, 1.0319, 3.4933

Previews

White Background



This preview shows how the XYZ color 50.0654, 24.0607, 81.3623 looks on a white background.

Color Contrast Check

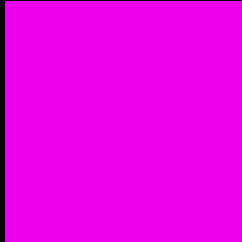
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.0654, 24.0607, 81.3623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

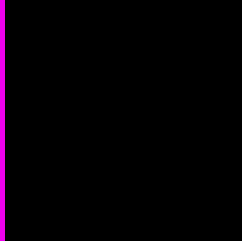
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 50.0654, 24.0607, 81.3623

Background



This preview shows how black text looks on a background with the XYZ color 50.0654, 24.0607, 81.3623.



This preview shows how white text looks on a background with the XYZ color 50.0654, 24.0607,

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

50.0654, 24.0607, 81.3623

Protanopia

28.6160, 24.9158, 97.9087

Deuteranopia

25.4687, 24.6761, 72.5279



Tritanopia

36.2907, 24.2591, 14.5741

Trichromacy



Original Color

50.0654, 24.0607, 81.3623



Protanomaly

29.1669, 17.7851, 90.7025



Deuteranomaly

27.7546, 17.7657, 74.6393



Tritanomaly

38.6673, 21.6287, 30.5705

Monochromacy



Original Color

50.0654, 24.0607, 81.3623



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

19.4623, 11.9729, 29.3022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0654, 24.0607, 81.3623 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(237, 0, 236)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 236)  
}
```

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(237, 0, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 236) }
```

Border

The CSS property to change the border of an element to XYZ 50.0654, 24.0607, 81.3623 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(237, 0, 236) }
```


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

```
.border{ border-color:rgb(237, 0, 236) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 236);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0654, 24.0607, 81.3623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 236) }
```

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

```
.background{ background-color: rgb(237, 0,  
236) }
```

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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