

Converting Colors

XYZ(50.2096, 24.9528, 81.3575)

Have a look what the booklet for
XYZ(50.2096, 24.9528, 81.3575)
contains.

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Color

**XYZ(50.2762, 24.9767,
81.5280)**

Conversions

Conversions Part 1

Format	Color
Hex	EC21EC
RGB	236, 33, 236
RGB Percent	93%, 13%, 93%
CMY	0.0745, 0.8705, 0.0745
CMYK	0.00, 0.86, 0.00, 0.07
HSL	300°, 84%, 53%
HSV	300°, 86%, 93%
XYZ	50.2762, 24.9767, 81.5280
YIQ	116.8390, 55.8250, 106.1690

Conversions

Conversions Part 2

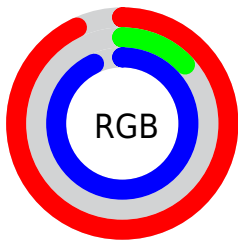
Format	Color
R _Y B	236, 33, 236
Decimal	15475180
CIE Lab	57.05, 89.49, -55.66
CIE LCh	57, 105.384, 328.119
Yxy	24.9767, 0.3207, 0.1593
Android (android.graphics.Color)	4293665260 (0xFFEC21EC)
YUV	116.8390, 58.7464, 104.5042
Hunter-Lab	49.9767, 92.1105, -61.7373

Details

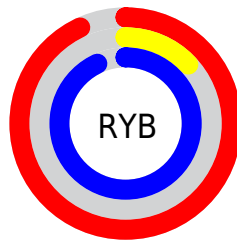
The XYZ color **50.2762, 24.9767, 81.5280** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **30.8983, 60.4252, 11.4748**, and the grayscale version is **16.6738, 17.5422, 19.1034**.

A 20% lighter version of the original color is **64.8659, 39.6319, 98.8386**, and **25.8159, 12.3686, 43.6746** is the 20% darker color. If you saturate the color by 10%, you get **49.8351, 24.0937, 81.3810**, and if you desaturate by 10%, it is **51.1771, 26.7777, 81.8286**.

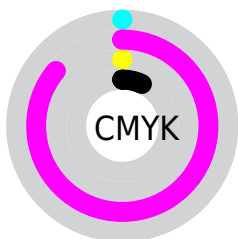
Distribution



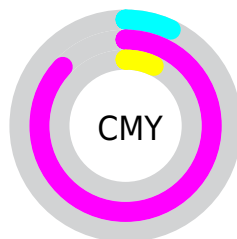
- Red (93%)
- Green (13%)
- Blue (93%)



- Red (93%)
- Yellow (13%)
- Blue (93%)



- Cyan (0%)
- Magenta (86%)
- Yellow (0%)
- Black (7%)





- Cyan (7%)
- Magenta (87%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2762, 24.9767, 81.5280 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 50.2762, 24.9767, 81.5280 by changing the saturation by 10% instead.


 50.2762, 24.9767,
81.5280

 50.2762, 24.9767,
81.5280


378.1792,
277.7219, 519.9094

 35.8516, 16.0597,
60.4430


 89.7733, 51.6194,
137.3426


 24.4892, 9.5664,
43.3482


 115.5766, 70.1139,
172.9094


 15.8236, 5.1124,
29.8250


 145.9035, 92.5697,
214.1404

 9.4895, 2.3134,
19.4549

 181.1193,
119.3712, 261.4543

 5.1214, 0.7808,
11.8193

 221.5894,
150.9028, 315.2696

 2.3542, 0.0000,
6.4997

267.6792,

 0.8222, 0.0000,

187.5488, 376.0049

3.0776

319.7540,
229.6937, 444.0787

■ 0.0000, 0.0000,
1.1344

■ 0.0000, 0.0000,
0.0000

■ 50.2762, 24.9767,
81.5280

■ 50.2762, 24.9767,
81.5280

■ 49.8351, 24.0937,
81.3810

■ 51.1771, 26.7777,
81.8286

■ 49.7329, 23.8892,
81.3469

■ 52.6175, 29.6583,
82.3087

■ 54.6648, 33.7530,
82.9913

■ 57.3763, 39.1759,
83.8952

60.8023, 46.0279,
85.0373

64.9885, 54.4003,
86.4327

69.9767, 64.3767,
88.0956

75.8058, 76.0348,
90.0387

82.5118, 89.4469,
92.2741

Harmonies

Analogous

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



36.8384, 24.9767, 142.7580



50.2762, 24.9767, 81.5280



56.4193, 24.9767, 29.4981

Triad

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



50.2762, 24.9767, 81.5280



24.5306, 24.9767, 0.0000



8.3122, 24.9767, 73.7224

Complementary

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



50.2762, 24.9767, 81.5280



30.8983, 60.4252, 11.4748

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.



6.9972, 24.9767, 25.0157



50.2762, 24.9767, 81.5280



14.1847, 24.9767, 0.3790

Square

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



50.2762, 24.9767, 81.5280



38.6848, 24.9767, 0.6208



8.7069, 24.9767, 4.7273



13.2449, 24.9767, 136.0967

Rectangle

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



50.2762, 24.9767, 81.5280



54.3627, 24.9767, 11.0111



8.7069, 24.9767, 4.7273



7.5278, 24.9767, 54.4276

Sweetspot

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



50.2772, 24.9779, 81.5285



77.4231, 64.7462, 103.0241



16.3125, 7.4684, 79.9397



16.1782, 13.0712, 21.9202



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.



50.2772, 24.9779, 81.5285



59.2898, 28.4799, 96.9790



39.4755, 20.6572, 24.6474



15.7149, 15.3138, 19.0498



27.4133, 13.1680, 44.8393



2.1526, 1.0340, 3.5210

Inverse Universe

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



50.2772, 24.9779, 81.5285



59.2898, 28.4799, 96.9790



34.9622, 62.0508, 32.8750



15.7149, 15.3138, 19.0498



27.4133, 13.1680, 44.8393



2.1526, 1.0340, 3.5210

Previews

White Background



This preview shows how the XYZ color 50.2762, 24.9767, 81.5280 looks on a white background.

Color Contrast Check

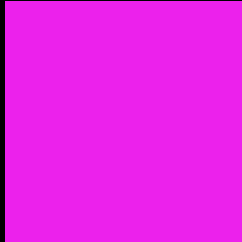
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.2762, 24.9767, 81.5280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

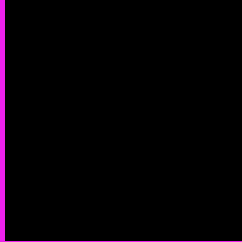
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 50.2762, 24.9767, 81.5280

Background



This preview shows how black text looks on a background with the XYZ color 50.2762, 24.9767, 81.5280.



This preview shows how white text looks on a background with the XYZ color 50.2762, 24.9767,

81.5280.

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

50.2762, 24.9767, 81.5280

Protanopia

29.1736, 25.6098, 98.0133

Deuteranopia

26.1110, 25.4293, 72.6394



Tritanopia

36.4498, 24.7172, 15.6817

Trichromacy



Original Color

50.2762, 24.9767, 81.5280



Protanomaly

30.5780, 20.1520, 91.0850



Deuteranomaly

29.4068, 20.3231, 75.0459



Tritanomaly

39.3325, 23.1682, 31.6770

Monochromacy



Original Color

50.2762, 24.9767, 81.5280



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

24.1702, 16.6672, 35.2009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2762, 24.9767, 81.5280 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(236, 33, 236)` looks like.

```
.text, #text, p{  
    color:rgb(236, 33, 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(236, 33, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 33, 236) }
```

Border

The CSS property to change the border of an element to XYZ 50.2762, 24.9767, 81.5280 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(236, 33, 236) }
```


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

```
.border{ border-color:rgb(236, 33, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 33, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 33, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 33, 236);  
box-shadow:4px 4px 4px 4px rgb(236, 33,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2762, 24.9767, 81.5280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 33, 236) }
```

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

```
.background{ background-color: rgb(236, 33,  
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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