

Converting Colors

XYZ(50.8862, 24.4432, 83.2333)

Have a look what the booklet for
XYZ(50.8862, 24.4432, 83.2333)
contains.

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Color

**XYZ(50.6925, 24.3502,
82.9172)**

Conversions

Conversions Part 1

Format	Color
Hex	EE00EE
RGB	238, 0, 238
RGB Percent	93%, 0%, 93%
CMY	0.0667, 0.9998, 0.0667
CMYK	0.00, 1.00, 0.00, 0.07
HSL	300°, 100%, 47%
HSV	300°, 100%, 93%
XYZ	50.6925, 24.3502, 82.9172
YIQ	98.2940, 65.4500, 124.4740

Conversions

Conversions Part 2

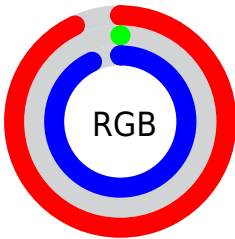
Format	Color
R _Y B	238, 0, 238
Decimal	15597806
CIE Lab	56.44, 93.25, -57.75
CIE LCh	56, 109.687, 328.233
Yxy	24.3502, 0.3209, 0.1542
Android (android.graphics.Color)	4293787886 (0xFFEE00EE)
YUV	98.2940, 68.8751, 122.5222
Hunter-Lab	49.3459, 97.0156, -65.0843

Details

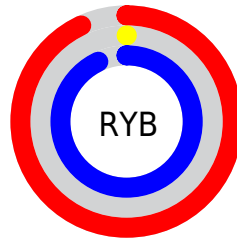
The XYZ color **50.6925, 24.3502, 82.9172** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **30.5757, 61.1503, 10.1929**, and the grayscale version is **11.5110, 12.1105, 13.1883**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **26.4720, 12.6833, 44.7690** is the 20% darker color. If you saturate the color by 10%, you get **50.6931, 24.3505, 82.9175**, and if you desaturate by 10%, it is **51.0164, 24.9972, 83.0254**.

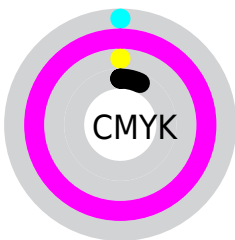
Distribution



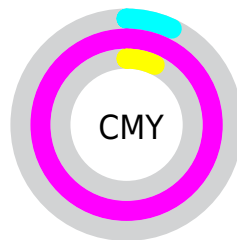
- Red (93%)
- Green (0%)
- Blue (93%)



- 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 50.6925, 24.3502, 82.9172 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 50.6925, 24.3502, 82.9172 by changing the saturation by 10% instead.


 50.6925, 24.3502,
82.9172

 50.6925, 24.3502,
82.9172


379.7753,
274.5862, 524.6743

 36.1840, 15.5936,
61.5816


 90.3858, 50.6011,
139.3077

 24.7471, 9.2370,
44.2611


 116.3012, 68.8641,
175.1997


 16.0165, 4.8961,
30.5372


 146.7498, 91.0648,
216.7809

 9.6267, 2.1864,
19.9912

 182.0967,
117.5875, 264.4699

 5.2125, 0.7126,
12.2046

 222.7073,
148.8166, 318.6852

 2.4085, 0.0000,
6.7589

268.9471,

 0.8494, 0.0000,

185.1365, 379.8453

3.2357

321.1813,
226.9316, 448.3688

■ 0.0000, 0.0000,
1.2162

■ 0.0000, 0.0000,
0.0000

■ 50.6925, 24.3502,
82.9172

■ 50.6925, 24.3502,
82.9172

■ 50.6931, 24.3505,
82.9175

■ 51.0164, 24.9972,
83.0254

■ 51.7354, 26.4351,
83.2651

■ 52.9745, 28.9132,
83.6782

■ 54.8070, 32.5783,
84.2892

■ 57.2948, 37.5538,
85.1185

■ 60.4917, 43.9476,
86.1842

■ 64.4462, 51.8565,
87.5024

■ 69.2023, 61.3687,
89.0879

■ 74.8008, 72.5658,
90.9542

Harmonies

Analogous

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



36.7065, 24.3502, 147.9659



50.6925, 24.3502, 82.9172



57.0873, 24.3502, 28.7267

Triad

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



50.6925, 24.3502, 82.9172



23.9046, 24.3502, 0.0000



7.6192, 24.3502, 75.1896

Complementary

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



50.6925, 24.3502, 82.9172



30.5757, 61.1503, 10.1929

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.



6.3226, 24.3502, 24.4164



50.6925, 24.3502, 82.9172



13.4168, 24.3502, 0.0466

Square

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



50.6925, 24.3502, 82.9172



38.5074, 24.3502, 0.2831



7.9836, 24.3502, 4.1199



12.5311, 24.3502, 141.2898

Rectangle

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



50.6925, 24.3502, 82.9172



54.9014, 24.3502, 10.1126



7.9836, 24.3502, 4.1199



6.8472, 24.3502, 54.9255

Sweetspot

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



50.6935, 24.3513, 82.9177



75.3100, 60.5201, 102.3197



15.4338, 6.1743, 81.2684



15.6777, 12.0703, 21.7534



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.



50.6935, 24.3513, 82.9177



59.2898, 28.4799, 96.9790



38.5918, 19.5107, 19.1912



16.4543, 16.0314, 19.9487



28.2812, 13.5849, 46.2590



2.3527, 1.1301, 3.8483

Inverse Universe

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



50.6935, 24.3513, 82.9177



59.2898, 28.4799, 96.9790



33.9065, 62.4826, 27.7325



16.4543, 16.0314, 19.9487



28.2812, 13.5849, 46.2590



2.3527, 1.1301, 3.8483

Previews

White Background



This preview shows how the XYZ color 50.6925, 24.3502, 82.9172 looks on a white background.

Color Contrast Check

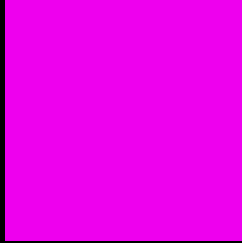
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.6925, 24.3502, 82.9172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

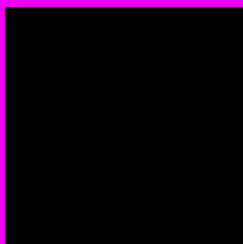
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 50.6925, 24.3502, 82.9172

Background



This preview shows how black text looks on a background with the XYZ color 50.6925, 24.3502, 82.9172.



This preview shows how white text looks on a background with the XYZ color 50.6925, 24.3502,

82.9172.

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

50.6925, 24.3502, 82.9172

Protanopia

28.8918, 25.2603, 97.9607

Deuteranopia

25.8799, 25.0670, 73.9954



Tritanopia

36.6460, 24.4368, 14.8419

Trichromacy



Original Color

50.6925, 24.3502, 82.9172



Protanomaly

29.5533, 18.0824, 91.5551



Deuteranomaly

28.1985, 17.9625, 76.1096



Tritanomaly

39.0639, 21.8239, 31.0077

Monochromacy



Original Color

50.6925, 24.3502, 82.9172



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

19.5419, 12.0047, 29.7209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6925, 24.3502, 82.9172 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(238, 0, 238)` looks like.

```
.text, #text, p{  
    color:rgb(238, 0, 238)  
}
```

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(238, 0, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 0, 238) }
```

Border

The CSS property to change the border of an element to XYZ 50.6925, 24.3502, 82.9172 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(238, 0, 238) }
```


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

```
.border{ border-color:rgb(238, 0, 238) }
```

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

Here you see how a box with a 4 pixel rgb(238, 0, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 0, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 0, 238);  
box-shadow:4px 4px 4px 4px rgb(238, 0,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6925, 24.3502, 82.9172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 0, 238) }
```

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

```
.background{ background-color: rgb(238, 0,  
238) }
```

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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