

Converting Colors

XYZ(50.0821, 25.5990, 80.5966)

Have a look what the booklet for XYZ(50.0821, 25.5990, 80.5966) contains.

XYZ(50.2729, 25.6934, 80.9069)	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(50.2729, 25.6934,
80.9069)**

Conversions

Conversions Part 1

Format	Color
Hex	EB2FEB
RGB	235, 47, 235
RGB Percent	92%, 18%, 92%
CMY	0.0784, 0.8156, 0.0784
CMYK	0.00, 0.80, 0.00, 0.08
HSL	300°, 82%, 55%
HSV	300°, 80%, 92%
XYZ	50.2729, 25.6934, 80.9069
YIQ	124.6440, 51.7000, 98.3240

Conversions

Conversions Part 2

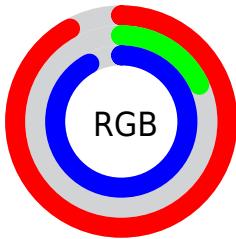
Format	Color
R _Y B	235, 47, 235
Decimal	15413227
CIE Lab	57.74, 86.49, -54.00
CIE LCh	58, 101.969, 328.021
Yxy	25.6934, 0.3205, 0.1638
Android (android.graphics.Color)	4293603307 (0xFFEB2FEB)
YUV	124.6440, 54.4055, 96.7822
Hunter-Lab	50.6887, 88.3308, -59.1539

Details

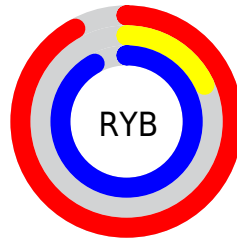
The XYZ color **50.2729, 25.6934, 80.9069** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **31.3950, 60.2275, 12.6611**, and the grayscale version is **19.1870, 20.1863, 21.9828**.

A 20% lighter version of the original color is **65.6513, 41.2026, 99.1004**, and **25.7151, 12.3283, 43.1437** is the 20% darker color. If you saturate the color by 10%, you get **49.5736, 24.2939, 80.6739**, and if you desaturate by 10%, it is **51.4793, 28.1053, 81.3093**.

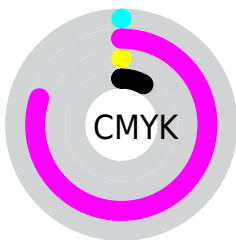
Distribution



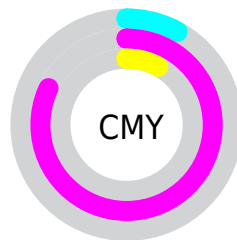
- Red (92%)
- Green (18%)
- Blue (92%)



- Red (92%)
- Yellow (18%)
- Blue (92%)



- Cyan (0%)
- Magenta (80%)
- Yellow (0%)
- Black (8%)





- Cyan (8%)
- Magenta (82%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2729, 25.6934, 80.9069 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 50.2729, 25.6934, 80.9069 by changing the saturation by 10% instead.

 50.2729, 25.6934,
80.9069


 50.2729, 25.6934,
80.9069


378.1666,
281.2737, 517.7711

 35.8490, 16.5944,
59.9344


 89.7685, 52.7799,
136.4629


 24.4871, 9.9457,
42.9408


 115.5709, 71.5362,
171.8835


 15.8221, 5.3630,
29.5076


 145.8968, 94.2804,
212.9572

 9.4884, 2.4618,
19.2163

 181.1115,
121.3969, 260.1025

 5.1207, 0.8574,
11.6483

 221.5805,
153.2701, 313.7380

 2.3538, 0.0000,
6.3850

267.6692,

 0.8220, 0.0000,

190.2844, 374.2823

3.0080

319.7427,
232.8241, 442.1538

■ 0.0000, 0.0000,
1.0987

■ 0.0000, 0.0000,
0.0000

■ 50.2729, 25.6934,
80.9069

■ 50.2729, 25.6934,
80.9069

■ 49.5736, 24.2939,
80.6739

■ 51.4793, 28.1053,
81.3093


■ 49.2570, 23.6609,
80.5682


■ 53.2608, 31.6682,
81.9032


■ 49.2569, 23.6606,
80.5682


■ 55.6781, 36.5029,
82.7091


■ 58.7837, 42.7140,
83.7444

 62.6244, 50.3954,
85.0248

 67.2430, 59.6325,
86.5644

 72.6790, 70.5044,
88.3765

 78.9691, 83.0848,
90.4733

 85.0171, 95.1807,
92.4894

Harmonies

Analogous

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



37.2095, 25.6934, 139.3871



50.2729, 25.6934, 80.9069



56.2439, 25.6934, 30.3651

Triad

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



50.2729, 25.6934, 80.9069



25.2414, 25.6934, 0.0000



8.9945, 25.6934, 73.0067

Complementary

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



50.2729, 25.6934, 80.9069



31.3950, 60.2275, 12.6611

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.



7.6583, 25.6934, 25.7151



50.2729, 25.6934, 80.9069



14.9600, 25.6934, 0.6673

Square

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



50.2729, 25.6934, 80.9069



39.1021, 25.6934, 0.9135



9.4180, 25.6934, 5.3258



13.9688, 25.6934, 132.7158

Rectangle

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



50.2729, 25.6934, 80.9069



54.2809, 25.6934, 11.8919



9.4180, 25.6934, 5.3258



8.1961, 25.6934, 54.3920

Sweetspot

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



50.2739, 25.6946, 80.9074



78.5372, 66.9746, 103.3954



17.1854, 8.6368, 79.3598



16.3911, 13.4971, 21.9912



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.



50.2739, 25.6946, 80.9074



59.4005, 28.7013, 97.0156



40.0867, 21.6197, 27.2621



15.7149, 15.3138, 19.0498



27.4133, 13.1680, 44.8392



2.1526, 1.0340, 3.5210

Inverse Universe

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



50.2739, 25.6946, 80.9074



59.4005, 28.7013, 97.0156



35.6898, 61.9455, 35.2775



15.7149, 15.3138, 19.0498



27.4133, 13.1680, 44.8392



2.1526, 1.0340, 3.5210

Previews

White Background



This preview shows how the XYZ color 50.2729, 25.6934, 80.9069 looks on a white background.

Color Contrast Check

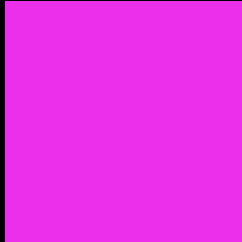
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.2729, 25.6934, 80.9069 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 50.2729, 25.6934, 80.9069

Background



This preview shows how black text looks on a background with the XYZ color 50.2729, 25.6934, 80.9069.



This preview shows how white text looks on a background with the XYZ color 50.2729, 25.6934,

80.9069.

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

50.2729, 25.6934, 80.9069

Protanopia

29.6945, 26.0844, 98.0775

Deuteranopia

26.7318, 25.9633, 72.7097



Tritanopia

37.0298, 25.5480, 16.8895

Trichromacy



Original Color

50.2729, 25.6934, 80.9069



Protanomaly

31.6250, 21.5461, 91.2989



Deuteranomaly

30.3469, 21.6938, 75.2609



Tritanomaly

40.1392, 24.3867, 33.1634

Monochromacy



Original Color

50.2729, 25.6934, 80.9069



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

26.5833, 19.2653, 37.9148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2729, 25.6934, 80.9069 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(235, 47, 235)` looks like.

```
.text, #text, p{  
    color:rgb(235, 47, 235)  
}
```

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(235, 47, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 47, 235) }
```

Border

The CSS property to change the border of an element to XYZ 50.2729, 25.6934, 80.9069 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(235, 47, 235) }
```


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

```
.border{ border-color:rgb(235, 47, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 47, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 47, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 47, 235);  
box-shadow:4px 4px 4px 4px rgb(235, 47,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2729, 25.6934, 80.9069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 47, 235) }
```

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

```
.background{ background-color: rgb(235, 47,  
235) }
```

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