

Converting Colors

XYZ(54.9742, 26.7537, 74.2533)

Have a look what the booklet for
XYZ(54.9742, 26.7537, 74.2533)
contains.

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Color

**XYZ(54.9675, 26.7510,
74.2179)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00E2
RGB	255, 0, 226
RGB Percent	100%, 0%, 89%
CMY	0.0000, 0.9998, 0.1137
CMYK	0.00, 1.00, 0.11, 0.00
HSL	307°, 100%, 50%
HSV	307°, 100%, 100%
XYZ	54.9675, 26.7510, 74.2179
YIQ	102.0090, 79.4340, 124.3460

Conversions

Conversions Part 2

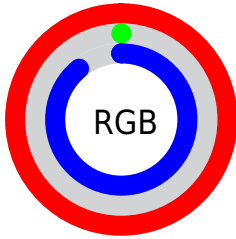
Format	Color
RYB	255, 0, 226
Decimal	16711906
CIELab	58.74, 94.41, -47.15
CIELCh	59, 105.523, 333.462
Yxy	26.7510, 0.3525, 0.1716
Android (android.graphics.Color)	4294901986 (0xFFFF00E2)
YUV	102.0090, 61.1276, 134.1731
Hunter-Lab	51.7214, 99.1906, -48.8736

Details

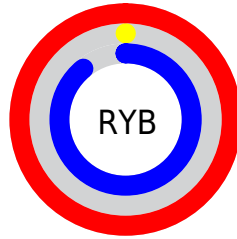
The XYZ color **54.9675, 26.7510, 74.2179** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **35.9830, 71.6093, 13.0912**, and the grayscale version is **12.4705, 13.1199, 14.2876**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **29.2480, 14.2397, 39.2372** is the 20% darker color. If you saturate the color by 10%, you get **54.9667, 26.7507, 74.2140**, and if you desaturate by 10%, it is **55.7286, 27.6307, 76.4523**.

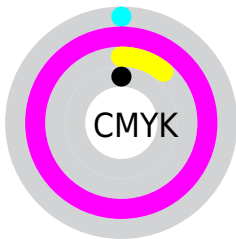
Distribution



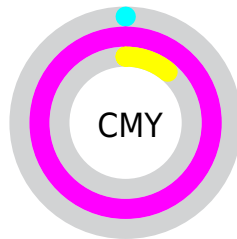
- Red (100%)
- Green (0%)
- Blue (89%)



- Red (100%)
- Yellow (0%)
- Blue (89%)



- Cyan (0%)
- Magenta (100%)
- Yellow (11%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.9675, 26.7510, 74.2179 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 54.9675, 26.7510, 74.2179 by changing the saturation by 10% instead.


 54.9675, 26.7510,
74.2179


 54.9675, 26.7510,
74.2179

395.9271,
286.4495, 494.4086

 39.6094, 17.3863,
54.4745

 96.6419, 54.4840,
126.9415

 27.4170, 10.5103,
38.5854


 123.6890, 73.6212,
160.7589

 18.0249, 5.7386,
26.1320


 155.3632, 96.7846,
200.1047

 11.0676, 2.6868,
16.6958

 192.0297,
124.3587, 245.3974

 6.1800, 0.9705,
9.8582

 234.0540,
156.7278, 297.0556

 2.9965, 0.0000,
5.2006

281.8015,

 1.1519, 0.0000,

194.2764, 355.4978

2.3047

335.6374,
237.3888, 421.1427

■ 0.0679, 0.0000,
0.7338

■ 0.0000, 0.0000,
0.0000

■ 54.9675, 26.7510,
74.2179

■ 54.9675, 26.7510,
74.2179

■ 54.9667, 26.7507,
74.2140

■ 55.7286, 27.6307,
76.4523

■ 56.9634, 29.4471,
78.8778

■ 58.8150, 32.4861,
81.5423

■ 61.3707, 36.9225,
84.4753

64.7038, 42.9028,
87.7013

68.8783, 50.5548,
91.2418

73.9516, 59.9932,
95.1160

79.9759, 71.3225,
99.3415

86.9995, 84.6392,
103.9346

Harmonies

Analogous

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



41.8398, 26.7510, 138.8830



54.9675, 26.7510, 74.2179



59.4067, 26.7510, 25.0160

Triad

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



54.9675, 26.7510, 74.2179



23.9468, 26.7510, 0.0000



9.7596, 26.7510, 89.0754

Complementary

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



54.9675, 26.7510, 74.2179



35.9830, 71.6093, 13.0912

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.



7.7524, 26.7510, 33.6660



54.9675, 26.7510, 74.2179



13.9882, 26.7510, 0.9263

Square

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



54.9675, 26.7510, 74.2179



38.3017, 26.7510, 0.4807



8.9842, 26.7510, 7.4281



15.8173, 26.7510, 151.4884

Rectangle

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



54.9675, 26.7510, 74.2179



55.9203, 26.7510, 8.9173



8.9842, 26.7510, 7.4281



8.7039, 26.7510, 67.9133

Sweetspot

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



54.9681, 26.7521, 74.2184



73.9405, 59.9723, 95.1078



18.4651, 7.4348, 95.0696



15.3444, 11.9370, 19.9985



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.



54.9681, 26.7521, 74.2184



54.9667, 26.7507, 74.2140



43.6404, 22.2210, 14.5674



18.6984, 18.2627, 22.2950



28.7569, 13.9920, 38.9658



2.8242, 1.3721, 3.9216

Inverse Universe

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



54.9681, 26.7521, 74.2184



54.9667, 26.7507, 74.2140



41.5121, 73.8209, 42.2068



18.6984, 18.2627, 22.2950



28.7569, 13.9920, 38.9658



2.8242, 1.3721, 3.9216

Previews

White Background



This preview shows how the XYZ color 54.9675, 26.7510, 74.2179 looks on a white background.

Color Contrast Check

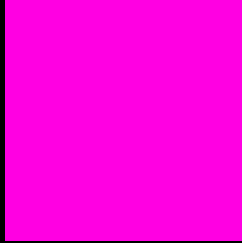
Large Text (above 18pt) WCAG AA ✓ Pass

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 54.9675, 26.7510, 74.2179 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 54.9675, 26.7510, 74.2179

Background



This preview shows how black text looks on a background with the XYZ color 54.9675, 26.7510, 74.2179.



This preview shows how white text looks on a background with the XYZ color 54.9675, 26.7510,

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

54.9675, 26.7510, 74.2179

Protanopia

31.0289, 27.6165, 98.3029

Deuteranopia

28.1122, 27.4790, 66.1097



Tritanopia

42.5549, 27.0076, 13.5598

Trichromacy



Original Color

54.9675, 26.7510, 74.2179



Protanomaly

31.8515, 19.7141, 87.7144



Deuteranomaly

31.2848, 20.1086, 67.8781



Tritanomaly

44.7034, 24.6534, 27.9936

Monochromacy



Original Color

54.9675, 26.7510, 74.2179



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

21.2573, 13.1563, 29.0228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.9675, 26.7510, 74.2179 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(255, 0, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 0, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 226) }
```

Border

The CSS property to change the border of an element to XYZ 54.9675, 26.7510, 74.2179 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(255, 0, 226) }
```


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

```
.border{ border-color:rgb(255, 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(255, 0, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 54.9675, 26.7510, 74.2179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 226) }
```

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

```
.background{ background-color: rgb(255, 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](#).

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