

Converting Colors

XYZ(52.2487, 25.6635, 59.9008)

Have a look what the booklet for
XYZ(52.2487, 25.6635, 59.9008)
contains.

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Color

**XYZ(52.2594, 25.6678,
59.9576)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00CD
RGB	255, 0, 205
RGB Percent	100%, 0%, 80%
CMY	0.0000, 0.9998, 0.1961
CMYK	0.00, 1.00, 0.20, 0.00
HSL	312°, 100%, 50%
HSV	312°, 100%, 100%
XYZ	52.2594, 25.6678, 59.9576
YIQ	99.6150, 86.1750, 117.8150

Conversions

Conversions Part 2

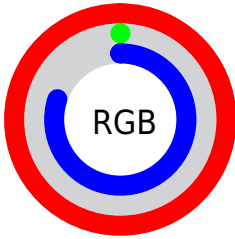
Format	Color
R_{YB}	255, 0, 205
Decimal	16711885
CIE _{Lab}	57.72, 91.86, -36.83
CIE _{LCh}	58, 98.964, 338.154
Yxy	25.6678, 0.3790, 0.1862
Android (android.graphics.Color)	4294901965 (0xFFFF00CD)
YUV	99.6150, 51.9548, 136.2726
Hunter-Lab	50.6634, 95.4622, -34.7024

Details

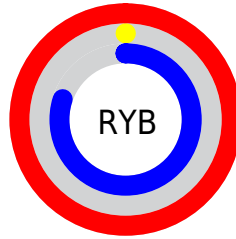
The XYZ color **52.2594, 25.6678, 59.9576** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **36.3377, 71.7512, 14.9583**, and the grayscale version is **11.8808, 12.4996, 13.6120**.

A 20% lighter version of the original color is **64.1402, 38.1805, 98.5967**, and **27.4973, 13.5395, 30.0183** is the 20% darker color. If you saturate the color by 10%, you get **52.2581, 25.6672, 59.9506**, and if you desaturate by 10%, it is **53.2327, 26.6326, 63.3087**.

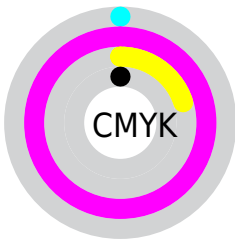
Distribution



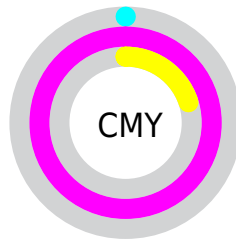
- Red (100%)
- Green (0%)
- Blue (80%)



- Red (100%)
- Yellow (0%)
- Blue (80%)



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2594, 25.6678, 59.9576 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 52.2594, 25.6678, 59.9576 by changing the saturation by 10% instead.


 52.2594, 25.6678,
59.9576


 52.2594, 25.6678,
59.9576

385.7448,
281.1475, 442.2418

 37.4370, 16.5753,
42.9594


 92.6856, 52.7385,
106.3109


 25.7212, 9.9321,
29.5221


 119.0202, 71.4856,
136.5031


 16.7468, 5.3540,
19.2272


 149.9228, 94.2195,
171.9304

 10.1483, 2.4564,
11.6561

 185.7589,
121.3248, 213.0113

 5.5604, 0.8547,
6.3903

 226.8938,
153.1859, 260.1643

 2.6178, 0.0000,
3.0112

273.6928,

 0.9550, 0.0000,

190.1871, 313.8081

1.1004

326.5213,
232.7128, 374.3610

■ 0.0000, 0.0000,
0.0000

■ 52.2594, 25.6678,
59.9576

■ 52.2594, 25.6678,
59.9576

■ 52.2581, 25.6672,
59.9506

■ 53.2327, 26.6326,
63.3087

■ 54.6924, 28.5392,
66.9177

■ 56.7818, 31.6736,
70.8336

■ 59.5884, 36.2107,
75.0863

■ 63.1854, 42.2968,
79.7011

67.6372, 50.0601,
84.7003

73.0011, 59.6151,
90.1037

79.3295, 71.0665,
95.9297

86.6710, 84.5108,
102.1951

Harmonies

Analogous

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



41.3615, 25.6678, 117.1262



52.2594, 25.6678, 59.9576



54.6316, 25.6678, 19.6735

Triad

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



52.2594, 25.6678, 59.9576



21.3041, 25.6678, 0.1087



10.5035, 25.6678, 90.7863

Complementary

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



52.2594, 25.6678, 59.9576



36.3377, 71.7512, 14.9583

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.



8.0740, 25.6678, 38.2673



52.2594, 25.6678, 59.9576



12.8502, 25.6678, 1.6292

Square

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



52.2594, 25.6678, 59.9576



33.8995, 25.6678, 0.5356



8.7658, 25.6678, 10.0143



16.8595, 25.6678, 142.8807

Rectangle

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



52.2594, 25.6678, 59.9576



50.5176, 25.6678, 7.0758



8.7658, 25.6678, 10.0143



9.3126, 25.6678, 71.4526

Sweetspot

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



52.2601, 25.6691, 59.9580



72.9877, 59.5912, 90.0909



19.2136, 7.8208, 95.1046



15.1140, 11.8448, 18.7848



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.



52.2601, 25.6691, 59.9580



52.2581, 25.6672, 59.9506



42.7180, 21.8522, 9.7097



18.6310, 18.2357, 21.9397



27.3600, 13.4333, 31.6100



2.7011, 1.3228, 3.2736

Inverse Universe

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



52.2601, 25.6691, 59.9580



52.2581, 25.6672, 59.9506



43.4269, 74.5868, 52.2896



18.6310, 18.2357, 21.9397



27.3600, 13.4333, 31.6100



2.7011, 1.3228, 3.2736

Previews

White Background



This preview shows how the XYZ color 52.2594, 25.6678, 59.9576 looks on a white background.

Color Contrast Check

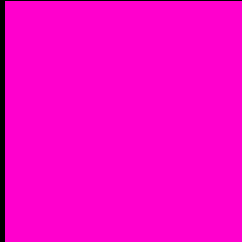
Large Text (above 18pt) WCAG AA ✓ Pass

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 52.2594, 25.6678, 59.9576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

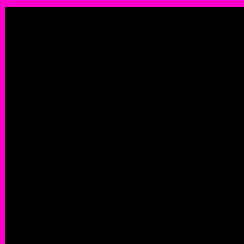
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 52.2594, 25.6678, 59.9576

Background



This preview shows how black text looks on a background with the XYZ color 52.2594, 25.6678, 59.9576.



This preview shows how white text looks on a background with the XYZ color 52.2594, 25.6678,

59.9576.

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

52.2594, 25.6678, 59.9576

Protanopia

30.0786, 26.4906, 98.1356

Deuteranopia

26.7713, 26.1937, 53.5141



Tritanopia

42.2383, 25.9532, 11.3776

Trichromacy



Original Color

52.2594, 25.6678, 59.9576



Protanomaly

30.0219, 18.7705, 82.1615



Deuteranomaly

30.3624, 19.6686, 55.0195



Tritanomaly

44.2574, 24.1807, 23.1036

Monochromacy



Original Color

52.2594, 25.6678, 59.9576



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

20.1311, 12.5697, 25.4099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2594, 25.6678, 59.9576 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 205)  
}
```

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, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 205) }
```

Border

The CSS property to change the border of an element to XYZ 52.2594, 25.6678, 59.9576 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, 205) }
```


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

```
.border{ border-color:rgb(255, 0, 205) }
```

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, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2594, 25.6678, 59.9576 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, 205) }
```

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

```
.background{ background-color: rgb(255, 0,  
205) }
```

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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