

Converting Colors

XYZ(53.7318, 26.2567, 67.7110)

Have a look what the booklet for
XYZ(53.7318, 26.2567, 67.7110)
contains.

XYZ(53.7644, 26.2698, 67.8825)	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(53.7644, 26.2698,
67.8825)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00D9
RGB	255, 0, 217
RGB Percent	100%, 0%, 85%
CMY	0.0000, 0.9998, 0.1490
CMYK	0.00, 1.00, 0.15, 0.00
HSL	309°, 100%, 50%
HSV	309°, 100%, 100%
XYZ	53.7644, 26.2698, 67.8825
YIQ	100.9830, 82.3230, 121.5470

Conversions

Conversions Part 2

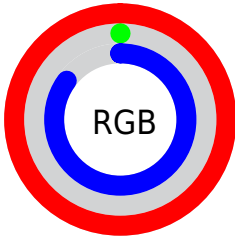
Format	Color
RYB	255, 0, 217
Decimal	16711897
CIELab	58.29, 93.29, -42.77
CIELCh	58, 102.623, 335.372
Yxy	26.2698, 0.3635, 0.1776
Android (android.graphics.Color)	4294901977 (0xFFFF00D9)
YUV	100.9830, 57.1964, 135.0729
Hunter-Lab	51.2541, 97.5480, -42.6477

Details

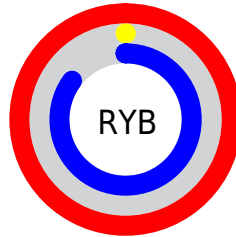
The XYZ color **53.7644, 26.2698, 67.8825** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **36.1114, 71.6607, 13.7670**, and the grayscale version is **12.2159, 12.8521, 13.9959**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **28.4253, 13.9107, 34.9051** is the 20% darker color. If you saturate the color by 10%, you get **53.7634, 26.2693, 67.8771**, and if you desaturate by 10%, it is **54.6243, 27.1891, 70.6368**.

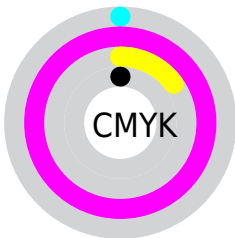
Distribution



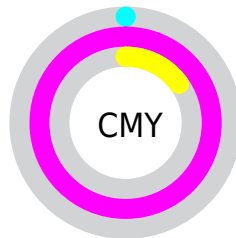
- Red (100%)
- Green (0%)
- Blue (85%)



- Red (100%)
- Yellow (0%)
- Blue (85%)



- Cyan (0%)
- Magenta (100%)
- Yellow (15%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.7644, 26.2698, 67.8825 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 53.7644, 26.2698, 67.8825 by changing the saturation by 10% instead.


 53.7644, 26.2698,
67.8825


 53.7644, 26.2698,
67.8825


391.4240,
284.1040, 471.6663


 38.6433, 17.0256,
49.3361

 94.8872, 53.7099,
117.8367


 26.6618, 10.2527,
34.5187


 121.6195, 72.6745,
150.0815

 17.4547, 5.5669,
23.0117


 152.9529, 95.6481,
187.7295

 10.6565, 2.5835,
14.3968

 189.2528,
123.0151, 231.1992

 5.9019, 0.9184,
8.2553

 230.8845,
155.1597, 280.9092

 2.8256, 0.0000,
4.1686

278.2133,

 1.0622, 0.0000,

192.4665, 337.2780

1.7183

331.6047,
235.3198, 400.7242

■ 0.0000, 0.0000,
0.3732

■ 0.0000, 0.0000,
0.0000

■ 53.7644, 26.2698,
67.8825

■ 53.7644, 26.2698,
67.8825

■ 53.7634, 26.2693,
67.8771

■ 54.6243, 27.1891,
70.6368

■ 55.9626, 29.0471,
73.6069

■ 57.9225, 32.1296,
76.8410

■ 60.5913, 36.6114,
80.3688

■ 64.0423, 42.6390,
84.2149

■ 68.3396, 50.3404,
88.4011

■ 73.5405, 59.8301,
92.9469

■ 79.6974, 71.2127,
97.8700

■ 86.8586, 84.5847,
103.1869

Harmonies

Analogous

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



41.6022, 26.2698, 129.2594



53.7644, 26.2698, 67.8825



57.3049, 26.2698, 22.6377

Triad

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



53.7644, 26.2698, 67.8825



22.7880, 26.2698, 0.0000



10.0641, 26.2698, 89.7119

Complementary

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



53.7644, 26.2698, 67.8825



36.1114, 71.6607, 13.7670

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.



7.8834, 26.2698, 35.5346



53.7644, 26.2698, 67.8825



13.4910, 26.2698, 1.1921

Square

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



53.7644, 26.2698, 67.8825



36.3676, 26.2698, 0.5045



8.8869, 26.2698, 8.4546



16.2416, 26.2698, 147.6626

Rectangle

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



53.7644, 26.2698, 67.8825



53.5450, 26.2698, 8.1007



8.8869, 26.2698, 8.4546



8.9532, 26.2698, 69.3321

Sweetspot

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



53.7650, 26.2710, 67.8830



73.5282, 59.8074, 92.9366



18.7119, 7.5621, 95.0811



15.2446, 11.8971, 19.4725



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.



53.7650, 26.2710, 67.8830



53.7634, 26.2693, 67.8771



43.2402, 22.0610, 12.4598



18.6694, 18.2511, 22.1423



28.1367, 13.7440, 35.7001



2.7698, 1.3503, 3.6353

Inverse Universe

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



53.7650, 26.2710, 67.8830



53.7634, 26.2693, 67.8771



42.2397, 74.1120, 46.0381



18.6694, 18.2511, 22.1423



28.1367, 13.7440, 35.7001



2.7698, 1.3503, 3.6353

Previews

White Background



This preview shows how the XYZ color 53.7644, 26.2698, 67.8825 looks on a white background.

Color Contrast Check

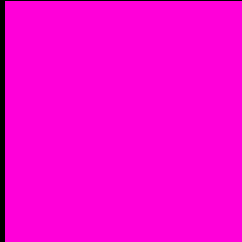
Large Text (above 18pt) WCAG AA ✓ Pass

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 53.7644, 26.2698, 67.8825 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 53.7644, 26.2698, 67.8825

Background



This preview shows how black text looks on a background with the XYZ color 53.7644, 26.2698, 67.8825.



This preview shows how white text looks on a background with the XYZ color 53.7644, 26.2698,

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

53.7644, 26.2698, 67.8825

Protanopia

30.6182, 27.1908, 98.2423

Deuteranopia

27.6133, 26.8977, 60.8631



Tritanopia

42.4022, 26.4683, 12.5469

Trichromacy



Original Color

53.7644, 26.2698, 67.8825



Protanomaly

31.0440, 19.3501, 85.3178



Deuteranomaly

31.0174, 19.9637, 62.5402



Tritanomaly

44.4745, 24.3724, 25.6528

Monochromacy



Original Color

53.7644, 26.2698, 67.8825



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

20.6959, 12.8181, 27.3699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.7644, 26.2698, 67.8825 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 217) }
```

Border

The CSS property to change the border of an element to XYZ 53.7644, 26.2698, 67.8825 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, 217) }
```


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

```
.border{ border-color:rgb(255, 0, 217) }
```

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, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 53.7644, 26.2698, 67.8825 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, 217) }
```

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

```
.background{ background-color: rgb(255, 0,  
217) }
```

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