

Converting Colors

XYZ(58.6551, 28.2260, 93.6364)

Have a look what the booklet for
XYZ(58.6551, 28.2260, 93.6364)
contains.

XYZ(58.6526, 28.2250, 93.6234)	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(58.6526, 28.2250,
93.6234)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00FB
RGB	255, 0, 251
RGB Percent	100%, 0%, 98%
CMY	0.0000, 0.9998, 0.0157
CMYK	0.00, 1.00, 0.02, 0.00
HSL	301°, 100%, 50%
HSV	301°, 100%, 100%
XYZ	58.6526, 28.2250, 93.6234
YIQ	104.8590, 71.4090, 132.1210

Conversions

Conversions Part 2

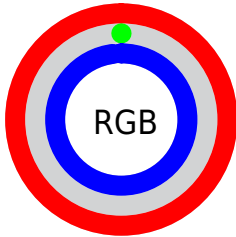
Format	Color
RYB	255, 0, 251
Decimal	16711931
CIELab	60.09, 97.70, -58.99
CIElCh	60, 114.130, 328.877
Yxy	28.2250, 0.3249, 0.1564
Android (android.graphics.Color)	4294902011 (0xFFFF00FB)
YUV	104.8590, 72.0475, 131.6737
Hunter-Lab	53.1272, 104.0919, -67.2947

Details

The XYZ color **58.6526, 28.2250, 93.6234** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **35.7827, 71.5291, 12.0367**, and the grayscale version is **13.1943, 13.8814, 15.1168**.

A 20% lighter version of the original color is **64.3416, 38.5832, 98.6639**, and **31.7299, 15.2325, 52.3067** is the 20% darker color. If you saturate the color by 10%, you get **58.6525, 28.2250, 93.6232**, and if you desaturate by 10%, it is **59.0752, 28.9690, 94.0761**.

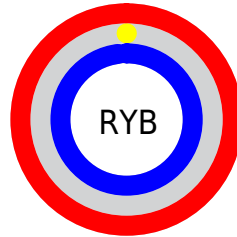
Distribution



Red (100%)

Green (0%)

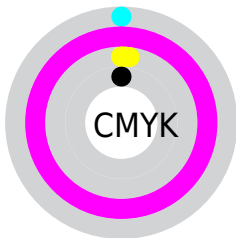
Blue (98%)



Red (100%)

Yellow (0%)

Blue (98%)

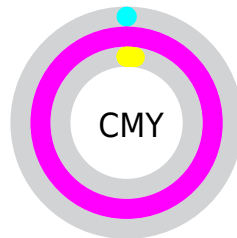


Cyan (0%)

Magenta (100%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.6526, 28.2250, 93.6234 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 58.6526, 28.2250, 93.6234 by changing the saturation by 10% instead.


 58.6526, 28.2250,
93.6234


 58.6526, 28.2250,
93.6234

409.5281,
293.5405, 560.6199


 42.5788, 18.4953,
70.3992


 101.9901, 56.8435,
154.3406


 29.7479, 11.3062,
51.3732


 129.9845, 76.5011,
192.6706


 19.7944, 6.2732,
36.1270


 162.6832,
100.2367, 236.8731

 12.3531, 3.0119,
24.2418

 200.4515,
128.4349, 287.3664

 7.0585, 1.1379,
15.2992

 243.6548,
161.4800, 344.5693

 3.5454, 0.0101,
8.8807

292.6584,

 1.4483, 0.0000,

199.7564, 408.9001

4.5677

347.8277,
243.6484, 480.7774

■ 0.2903, 0.0000,
1.9417

■ 0.0000, 0.0000,
0.5191

■ 58.6526, 28.2250,
93.6234

■ 58.6526, 28.2250,
93.6234

■ 58.6525, 28.2250,
93.6232

■ 59.0752, 28.9690,
94.0761

■ 59.9648, 30.6471,
94.6847

■ 61.4645, 33.5451,
95.4974

■ 63.6617, 37.8377,
96.5433

66.6295, 43.6714,
97.8466

70.4319, 51.1741,
99.4289

75.1262, 60.4605,
101.3091

80.7648, 71.6351,
103.5047

87.3957, 84.7942,
106.0317

Harmonies

Analogous

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



42.7522, 28.2250, 168.0521



58.6526, 28.2250, 93.6234



65.6987, 28.2250, 32.3307

Triad

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



58.6526, 28.2250, 93.6234



27.3795, 28.2250, 0.0000



9.0172, 28.2250, 88.0190

Complementary

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



58.6526, 28.2250, 93.6234



35.7827, 71.5291, 12.0367

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.



7.4386, 28.2250, 29.1874



58.6526, 28.2250, 93.6234



15.4476, 28.2250, 0.2564

Square

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



58.6526, 28.2250, 93.6234



44.0620, 28.2250, 0.4127



9.2851, 28.2250, 5.1228



14.7991, 28.2250, 163.2215

Rectangle

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



58.6526, 28.2250, 93.6234



63.0092, 28.2250, 11.4009



9.2851, 28.2250, 5.1228



8.0953, 28.2250, 64.6717

Sweetspot

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



58.6531, 28.2260, 93.6239



75.1174, 60.4431, 101.3056



18.0510, 7.2212, 95.0502



15.6307, 12.0515, 21.5059



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.



58.6531, 28.2260, 93.6239



58.6525, 28.2250, 93.6232



45.1053, 22.8069, 22.2823



18.7797, 18.2952, 22.7229



30.6528, 14.7504, 48.9498



2.9884, 1.4377, 4.7861

Inverse Universe

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



58.6531, 28.2260, 93.6239



58.6525, 28.2250, 93.6232



39.6254, 73.0662, 32.2721



18.7797, 18.2952, 22.7229



30.6528, 14.7504, 48.9498



2.9884, 1.4377, 4.7861

Previews

White Background



This preview shows how the XYZ color 58.6526, 28.2250, 93.6234 looks on a white background.

Color Contrast Check

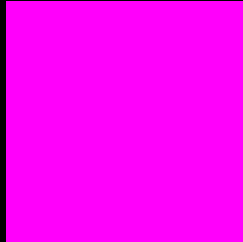
Large Text (above 18pt) WCAG AA ✓ Pass

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 58.6526, 28.2250, 93.6234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

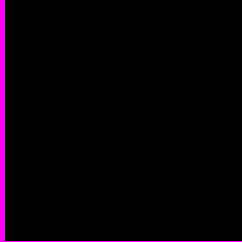
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 58.6526, 28.2250, 93.6234

Background



This preview shows how black text looks on a background with the XYZ color 58.6526, 28.2250, 93.6234.



This preview shows how white text looks on a background with the XYZ color 58.6526, 28.2250,

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

58.6526, 28.2250, 93.6234

Protanopia

32.1366, 28.8413, 98.4809

Deuteranopia

29.7336, 28.8380, 83.3561



Tritanopia

42.9468, 28.4689, 16.5961

Trichromacy



Original Color

58.6526, 28.2250, 93.6234



Protanomaly

34.3081, 21.0474, 96.0203



Deuteranomaly

32.5540, 20.7589, 85.5102



Tritanomaly

45.6053, 25.4361, 34.8537

Monochromacy



Original Color

58.6526, 28.2250, 93.6234



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

22.6759, 13.9565, 33.8465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.6526, 28.2250, 93.6234 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, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 251)  
}
```

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, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 251) }
```

Border

The CSS property to change the border of an element to XYZ 58.6526, 28.2250, 93.6234 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, 251) }
```


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

```
.border{ border-color:rgb(255, 0, 251) }
```

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, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 58.6526, 28.2250, 93.6234 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, 251) }
```

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

```
.background{ background-color: rgb(255, 0,  
251) }
```

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