

Converting Colors

XYZ(51.8174, 25.4910, 57.6300)

Have a look what the booklet for
XYZ(51.8174, 25.4910, 57.6300)
contains.

XYZ(51.7826, 25.4770, 57.4467)	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(51.7826, 25.4770,
57.4467)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00C9
RGB	255, 0, 201
RGB Percent	100%, 0%, 79%
CMY	0.0000, 0.9998, 0.2118
CMYK	0.00, 1.00, 0.21, 0.00
HSL	313°, 100%, 50%
HSV	313°, 100%, 100%
XYZ	51.7826, 25.4770, 57.4467
YIQ	99.1590, 87.4590, 116.5710

Conversions

Conversions Part 2

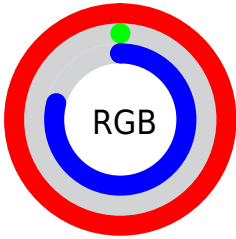
Format	Color
RYB	255, 0, 201
Decimal	16711881
CIELab	57.54, 91.40, -34.82
CIELCh	58, 97.805, 339.144
Yxy	25.4770, 0.3844, 0.1891
Android (android.graphics.Color)	4294901961 (0xFFFF00C9)
YUV	99.1590, 50.2076, 136.6726
Hunter-Lab	50.4747, 94.7943, -32.1473

Details

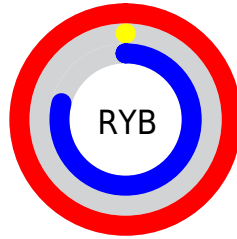
The XYZ color **51.7826, 25.4770, 57.4467** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **36.4278, 71.7872, 15.4330**, and the grayscale version is **11.7696, 12.3825, 13.4845**.

A 20% lighter version of the original color is **64.1402, 38.1805, 98.5967**, and **27.2588, 13.4440, 28.7620** is the 20% darker color. If you saturate the color by 10%, you get **51.7813, 25.4765, 57.4399**, and if you desaturate by 10%, it is **52.7890, 26.4550, 60.9726**.

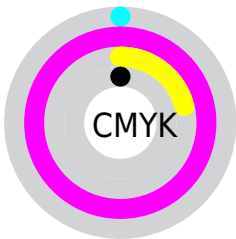
Distribution



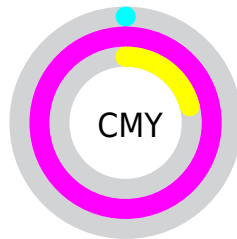
- Red (100%)
- Green (0%)
- Blue (79%)



- Red (100%)
- Yellow (0%)
- Blue (79%)



- Cyan (0%)
- Magenta (100%)
- Yellow (21%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7826, 25.4770, 57.4467 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 51.7826, 25.4770, 57.4467 by changing the saturation by 10% instead.


 51.7826, 25.4770,
57.4467


 51.7826, 25.4770,
57.4467

383.9345,
280.2052, 432.6616


 37.0554, 16.4328,
40.9522

 91.9867, 52.4300,
102.6235


 25.4242, 9.8309,
27.9623

 118.1942, 71.1076,
132.1429


 16.5238, 5.2870,
18.0585


 148.9593, 93.7651,
166.8410

 9.9888, 2.4166,
10.8221

 184.6472,
120.7869, 207.1364

 5.4537, 0.8344,
5.8347

 225.6233,
152.5574, 253.4477

 2.5533, 0.0000,
2.6777

272.2530,

 0.9222, 0.0000,

189.4611, 306.1932

0.9321

324.9016,
231.8822, 365.7917

■ 0.0000, 0.0000,
0.0000

■ 51.7826, 25.4770,
57.4467

■ 51.7826, 25.4770,
57.4467

■ 51.7813, 25.4765,
57.4399

■ 52.7890, 26.4550,
60.9726

■ 54.2850, 28.3759,
64.7729

■ 56.4137, 31.5259,
68.8964

■ 59.2627, 36.0797,
73.3736

■ 62.9055, 42.1840,
78.2299

■ 67.4063, 49.9666,
83.4878

■ 72.8225, 59.5423,
89.1675

■ 79.2066, 71.0157,
95.2874

■ 86.6071, 84.4833,
101.8647

Harmonies

Analogous

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



41.3009, 25.4770, 113.2558



51.7826, 25.4770, 57.4467



53.7725, 25.4770, 18.7376

Triad

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



51.7826, 25.4770, 57.4467



20.8247, 25.4770, 0.1845



10.6589, 25.4770, 91.2041

Complementary

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



51.7826, 25.4770, 57.4467



36.4278, 71.7872, 15.4330

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.



8.1417, 25.4770, 39.2441



51.7826, 25.4770, 57.4467



12.6421, 25.4770, 1.7985

Square

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



51.7826, 25.4770, 57.4467



33.1043, 25.4770, 0.5457



8.7276, 25.4770, 10.5872



17.0793, 25.4770, 141.3670

Rectangle

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



51.7826, 25.4770, 57.4467



49.5430, 25.4770, 6.7503



8.7276, 25.4770, 10.5872



9.4396, 25.4770, 72.2209

Sweetspot

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



51.7833, 25.4782, 57.4471



72.8100, 59.5201, 89.1550



19.4180, 7.9261, 95.1142



15.0711, 11.8277, 18.5591



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.



51.7833, 25.4782, 57.4471



51.7813, 25.4765, 57.4399



42.5639, 21.7905, 8.8985



18.6182, 18.2306, 21.8725



27.1138, 13.3348, 30.3132



2.6792, 1.3141, 3.1581

Inverse Universe

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



51.7833, 25.4782, 57.4471



51.7813, 25.4765, 57.4399



43.8485, 74.7555, 54.5099



18.6182, 18.2306, 21.8725



27.1138, 13.3348, 30.3132



2.6792, 1.3141, 3.1581

Previews

White Background



This preview shows how the XYZ color 51.7826, 25.4770, 57.4467 looks on a white background.

Color Contrast Check

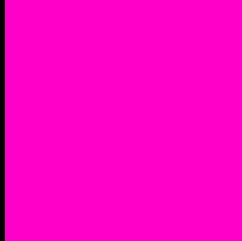
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.7826, 25.4770, 57.4467 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 51.7826, 25.4770, 57.4467

Background



This preview shows how black text looks on a background with the XYZ color 51.7826, 25.4770, 57.4467.



This preview shows how white text looks on a background with the XYZ color 51.7826, 25.4770,

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

51.7826, 25.4770, 57.4467

Protanopia

29.9960, 26.4480, 98.1318

Deuteranopia

26.4802, 25.8821, 51.1770



Tritanopia

42.3634, 25.8093, 10.9325

Trichromacy



Original Color

51.7826, 25.4770, 57.4467



Protanomaly

29.5589, 18.5653, 80.6228



Deuteranomaly

30.0471, 19.4373, 52.6202



Tritanomaly

43.9734, 23.9273, 22.0394

Monochromacy



Original Color

51.7826, 25.4770, 57.4467



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

19.9317, 12.4005, 24.6356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7826, 25.4770, 57.4467 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 201) }
```

Border

The CSS property to change the border of an element to XYZ 51.7826, 25.4770, 57.4467 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, 201) }
```


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

```
.border{ border-color:rgb(255, 0, 201) }
```

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, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7826, 25.4770, 57.4467 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, 201) }
```

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

```
.background{ background-color: rgb(255, 0,  
201) }
```

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