

Converting Colors

XYZ(51.7782, 26.0311, 55.7094)

Have a look what the booklet for
XYZ(51.7782, 26.0311, 55.7094)
contains.

XYZ(51.7807, 26.0325, 55.7217)	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(51.7807, 26.0325,
55.7217)**

Conversions

Conversions Part 1

Format	Color
Hex	FF19C6
RGB	255, 25, 198
RGB Percent	100%, 10%, 78%
CMY	0.0000, 0.9018, 0.2235
CMYK	0.00, 0.90, 0.22, 0.00
HSL	315°, 100%, 55%
HSV	315°, 90%, 100%
XYZ	51.7807, 26.0325, 55.7217
YIQ	113.4920, 81.5470, 102.5630

Conversions

Conversions Part 2

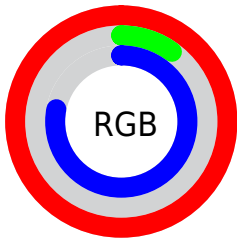
Format	Color
R _Y B	255, 25, 198
Decimal	16718278
CIE Lab	58.07, 89.10, -32.27
CIE LCh	58, 94.769, 340.091
Yxy	26.0325, 0.3878, 0.1949
Android (android.graphics.Color)	4294908358 (0xFFFF19C6)
YUV	113.4920, 41.6624, 124.1025
Hunter-Lab	51.0221, 91.8655, -29.0358

Details

The XYZ color **51.7807, 26.0325, 55.7217** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **37.6857, 72.3367, 19.9646**, and the grayscale version is **15.7099, 16.5280, 17.9990**.

A 20% lighter version of the original color is **64.6526, 39.2051, 98.7675**, and **27.0264, 13.3511, 27.5381** is the 20% darker color. If you saturate the color by 10%, you get **50.7319, 25.0568, 51.9137**, and if you desaturate by 10%, it is **53.3410, 27.9618, 59.9144**.

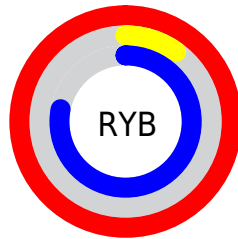
Distribution



Red (100%)

Green (10%)

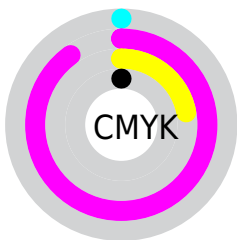
Blue (78%)



Red (100%)

Yellow (10%)

Blue (78%)

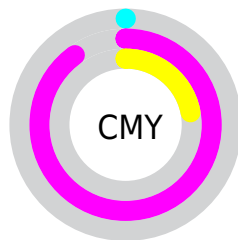


Cyan (0%)

Magenta (90%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (90%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7807, 26.0325, 55.7217 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 51.7807, 26.0325, 55.7217 by changing the saturation by 10% instead.


 51.7807, 26.0325,
55.7217


 51.7807, 26.0325,
55.7217

383.9273,
282.9416, 426.0007

 37.0539, 16.8480,
39.5773


 91.9839, 53.3274,
100.0793


 25.4231, 10.1261,
26.8979


 118.1909, 72.2065,
129.1296


 16.5229, 5.4827,
17.2648


 148.9555, 95.0859,
163.3190

 9.9881, 2.5332,
10.2595

 184.6428,
122.3501, 203.0659

 5.4533, 0.8932,
5.4635

 225.6183,
154.3833, 248.7890

 2.5531, 0.0000,
2.4582

272.2473,

 0.9221, 0.0000,

191.5700, 300.9068

0.8179

324.8952,
234.2947, 359.8379

■ 0.0000, 0.0000,
0.0000

■ 51.7807, 26.0325,
55.7217

■ 51.7807, 26.0325,
55.7217

■ 50.7319, 25.0568,
51.9137

■ 53.3410, 27.9618,
59.9144

■ 55.5394, 31.1181,
64.4715

■ 58.4646, 35.6783,
69.4245

■ 62.1905, 41.7893,
74.7997

■ 66.7815, 49.5796,
80.6203

72.2953, 59.1642,
86.9072

78.7847, 70.6479,
93.6797

86.2983, 84.1273,
100.9554

94.8814, 99.6927,
108.7512

Harmonies

Analogous

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



41.8188, 26.0325, 109.2160



51.7807, 26.0325, 55.7217



53.3941, 26.0325, 18.6637

Triad

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



51.7807, 26.0325, 55.7217



21.0798, 26.0325, 0.4764



11.4246, 26.0325, 91.5009

Complementary

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



51.7807, 26.0325, 55.7217



37.6857, 72.3367, 19.9646

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.



8.7719, 26.0325, 40.9015



51.7807, 26.0325, 55.7217



13.0928, 26.0325, 2.2896

Square

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



51.7807, 26.0325, 55.7217



33.0304, 26.0325, 0.7699



9.2700, 26.0325, 11.8290



17.9727, 26.0325, 138.7067

Rectangle

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



51.7807, 26.0325, 55.7217



49.1236, 26.0325, 7.0179



9.2700, 26.0325, 11.8290



10.1557, 26.0325, 73.2159

Sweetspot

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



51.7814, 26.0338, 55.7221



74.2536, 62.6103, 89.0103



21.5969, 9.5655, 95.3158



15.4447, 12.6119, 18.5696



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.



51.7814, 26.0338, 55.7221



50.7319, 25.0568, 51.9137



43.2823, 22.6342, 10.9669



18.5889, 18.2189, 21.7185



26.5712, 13.1178, 27.4560



2.6306, 1.2946, 2.9020

Inverse Universe

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



51.7814, 26.0338, 55.7221



50.7319, 25.0568, 51.9137



45.8627, 75.6075, 63.0240



18.5889, 18.2189, 21.7185



26.5712, 13.1178, 27.4560



2.6306, 1.2946, 2.9020

Previews

White Background



This preview shows how the XYZ color 51.7807, 26.0325, 55.7217 looks on a white background.

Color Contrast Check

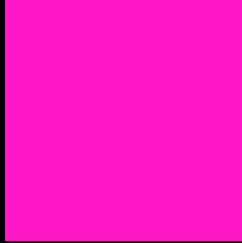
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.7807, 26.0325, 55.7217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

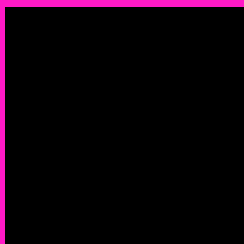
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 51.7807, 26.0325, 55.7217

Background



This preview shows how black text looks on a background with the XYZ color 51.7807, 26.0325, 55.7217.



This preview shows how white text looks on a background with the XYZ color 51.7807, 26.0325,

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

51.7807, 26.0325, 55.7217

Protanopia

30.1624, 26.5338, 98.1395

Deuteranopia

27.0047, 26.3893, 50.1247



Tritanopia

42.5144, 25.9860, 11.3694

Trichromacy



Original Color

51.7807, 26.0325, 55.7217



Protanomaly

30.5358, 20.2355, 80.1383



Deuteranomaly

31.2482, 21.3811, 51.1952



Tritanomaly

44.4487, 24.8778, 22.1979

Monochromacy



Original Color

51.7807, 26.0325, 55.7217



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

23.6452, 16.0783, 28.6452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7807, 26.0325, 55.7217 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, 25, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 25, 198)  
}
```

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, 25, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 25, 198) }
```

Border

The CSS property to change the border of an element to XYZ 51.7807, 26.0325, 55.7217 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, 25, 198) }
```


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

```
.border{ border-color:rgb(255, 25, 198) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 25, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 25, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 25, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 25,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7807, 26.0325, 55.7217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 25, 198) }
```

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

```
.background{ background-color: rgb(255, 25,  
198) }
```

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