

# Converting Colors

XYZ(51.5826, 25.5744, 55.8466)

Have a look what the booklet for  
XYZ(51.5826, 25.5744, 55.8466)  
contains.

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# Color

**XYZ(51.5416, 25.5543,  
55.6420)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF0AC6
RGB	255, 10, 198
RGB Percent	100%, 4%, 78%
CMY	0.0000, 0.9606, 0.2235
CMYK	0.00, 0.96, 0.22, 0.00
HSL	314°, 100%, 52%
HSV	314°, 96%, 100%
XYZ	51.5416, 25.5543, 55.6420
YIQ	104.6870, 85.6720, 110.4080

# Conversions

## Conversions Part 2

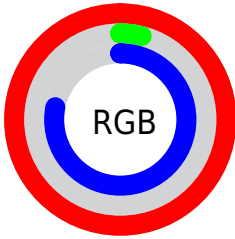
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 10, 198
Decimal	16714438
CIE Lab	57.61, 90.44, -32.98
CIE LCh	58, 96.269, 339.964
Yxy	25.5543, 0.3883, 0.1925
Android (android.graphics.Color)	4294904518 (0xFFFF0AC6)
YUV	104.6870, 46.0033, 131.8245
Hunter-Lab	50.5513, 93.5322, -29.8749

# Details

The XYZ color **51.5416, 25.5543, 55.6420** 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 **36.9007, 71.9908, 17.2698**, and the grayscale version is **13.2151, 13.9033, 15.1407**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **27.0264, 13.3511, 27.5381** is the 20% darker color. If you saturate the color by 10%, you get **51.1652, 25.2301, 54.1952**, and if you desaturate by 10%, it is **52.7487, 26.8516, 59.4882**.

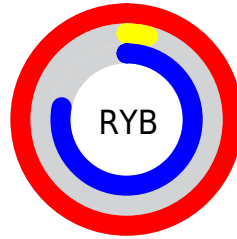
# Distribution



Red (100%)

Green (4%)

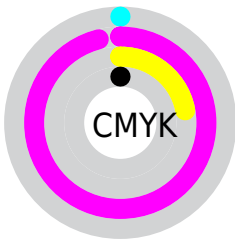
Blue (78%)



Red (100%)

Yellow (4%)

Blue (78%)

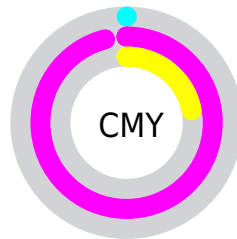


Cyan (0%)

Magenta (96%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (96%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5416, 25.5543, 55.6420 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 51.5416, 25.5543, 55.6420 by changing the saturation by 10% instead.





 51.5416, 25.5543,  
55.6420


 51.5416, 25.5543,  
55.6420


383.0175,  
280.5873, 425.6913


 36.8626, 16.4905,  
39.5139

 91.6331, 52.5550,  
99.9615


 25.2743, 9.8719,  
26.8488

 117.7763, 71.2608,  
128.9900

 16.4114, 5.3141,  
17.2283


 148.4716, 93.9493,  
163.1557

 9.9084, 2.4327,  
10.2337

 184.0844,  
121.0050, 202.8772

 5.4001, 0.8426,  
5.4466

 224.9800,  
152.8122, 248.5729

 2.5210, 0.0000,  
2.4483

271.5239,

 0.9059, 0.0000,

189.7554, 300.6615

0.8126

324.0812,  
232.2190, 359.5614

■ 0.0000, 0.0000,  
0.0000

■ 51.5416, 25.5543,  
55.6420

■ 51.5416, 25.5543,  
55.6420

■ 51.1652, 25.2301,  
54.1952

■ 52.7487, 26.8516,  
59.4882

■ 54.5282, 29.2501,  
63.6587

■ 56.9815, 32.9524,  
68.1890

■ 60.1899, 38.1206,  
73.1077

■ 64.2228, 44.8931,  
78.4394

69.1417, 53.3923,  
84.2057

75.0020, 63.7285,  
90.4267

81.8545, 76.0032,  
97.1206

89.7464, 90.3101,  
104.3043

# Harmonies

## Analogous

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



41.4360, 25.5543, 110.0318



51.5416, 25.5543, 55.6420



53.2182, 25.5543, 18.2434

# Triad

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



51.5416, 25.5543, 55.6420



20.6604, 25.5543, 0.3156



10.9790, 25.5543, 91.5245

# Complementary

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



51.5416, 25.5543, 55.6420



36.9007, 71.9908, 17.2698

# 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.



8.3728, 25.5543, 40.2811



51.5416, 25.5543, 55.6420



12.6759, 25.5543, 2.0415

# Square

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



51.5416, 25.5543, 55.6420



32.6775, 25.5543, 0.6214



8.8764, 25.5543, 11.2809



17.4744, 25.5543, 139.7662



# Rectangle

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



51.5416, 25.5543, 55.6420



48.9171, 25.5543, 6.6682



8.8764, 25.5543, 11.2809



9.7289, 25.5543, 72.9418

# Sweetspot

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



51.5422, 25.5555, 55.6424



73.1760, 60.4889, 88.5471



20.2172, 8.4993, 95.1827



15.1284, 12.0050, 18.3851



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.



51.5422, 25.5555, 55.6424



51.1652, 25.2301, 54.1952



42.7771, 22.0495, 9.4861



18.6012, 18.2238, 21.7831



26.7953, 13.2074, 28.6360



2.6507, 1.3027, 3.0081



# Inverse Universe

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



51.5422, 25.5555, 55.6424



51.1652, 25.2301, 54.1952



44.7063, 75.1130, 58.3734



18.6012, 18.2238, 21.7831



26.7953, 13.2074, 28.6360



2.6507, 1.3027, 3.0081



# Previews

## White Background



This preview shows how the XYZ color 51.5416, 25.5543, 55.6420 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

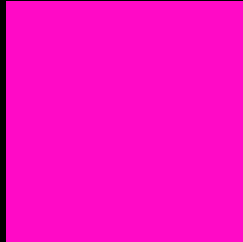
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.5416, 25.5543, 55.6420 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

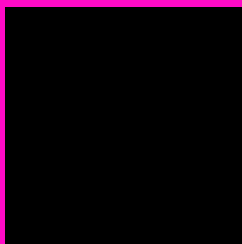
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# XYZ 51.5416, 25.5543, 55.6420

## Background



This preview shows how black text looks on a background with the XYZ color 51.5416, 25.5543, 55.6420.



This preview shows how white text looks on a background with the XYZ color 51.5416, 25.5543,

55.6420.

# 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

51.5416, 25.5543, 55.6420

### Protanopia

29.8559, 26.1676, 98.0850

### Deuteranopia

26.4550, 25.9061, 49.5050



## Tritanopia

42.2534, 25.6508, 10.7067

# Trichromacy



## Original Color

51.5416, 25.5543, 55.6420



## Protanomaly

29.6628, 19.0036, 79.9466



## Deuteranomaly

30.4909, 20.1985, 51.0069



## Tritanomaly

43.9781, 24.1412, 21.4106

# Monochromacy



## Original Color

51.5416, 25.5543, 55.6420



## Achromatopsia

13.4271, 14.1263, 15.3836



## Achromatomaly

21.3476, 13.7180, 25.9488

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.5416, 25.5543, 55.6420 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, 10, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 10, 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, 10, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 10, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 51.5416, 25.5543, 55.6420 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, 10, 198) }
```



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

```
.border{ border-color:rgb(255, 10, 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, 10, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 10, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 10, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 10,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.5416, 25.5543, 55.6420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 10, 198) }
```

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

```
.background{ background-color: rgb(255, 10,  
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](#).

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