

# Converting Colors

XYZ(51.6218, 25.9014, 55.0932)

Have a look what the booklet for  
XYZ(51.6218, 25.9014, 55.0932)  
contains.

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# Color

**XYZ(51.6244, 25.9040,  
55.1024)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF17C5
RGB	255, 23, 197
RGB Percent	100%, 9%, 77%
CMY	0.0000, 0.9097, 0.2274
CMYK	0.00, 0.91, 0.23, 0.00
HSL	315°, 100%, 55%
HSV	315°, 91%, 100%
XYZ	51.6244, 25.9040, 55.1024
YIQ	112.2040, 82.4180, 103.2980

# Conversions

## Conversions Part 2

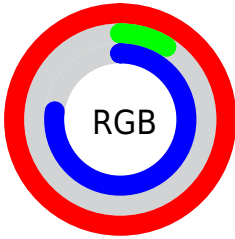
Format	Color
R <sub>Y</sub> B	255, 23, 197
Decimal	16717765
CIE Lab	57.95, 89.22, -31.89
CIE LCh	58, 94.747, 340.333
Yxy	25.9040, 0.3892, 0.1953
Android (android.graphics.Color)	4294907845 (0xFFFF17C5)
YUV	112.2040, 41.8044, 125.2321
Hunter-Lab	50.8960, 91.9868, -28.5630

# Details

The XYZ color **51.6244, 25.9040, 55.1024** 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 **37.6005, 72.2971, 19.7638**, and the grayscale version is **15.3303, 16.1287, 17.5641**.

A 20% lighter version of the original color is **64.4920, 39.1409, 97.9218**, and **26.9502, 13.3206, 27.1373** is the 20% darker color. If you saturate the color by 10%, you get **50.6706, 25.0322, 51.5908**, and if you desaturate by 10%, it is **53.1432, 27.7474, 59.2901**.

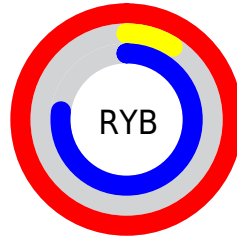
# Distribution



Red (100%)

Green (9%)

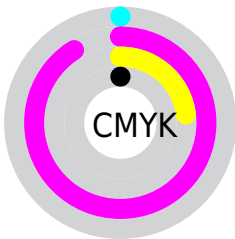
Blue (77%)



Red (100%)

Yellow (9%)

Blue (77%)

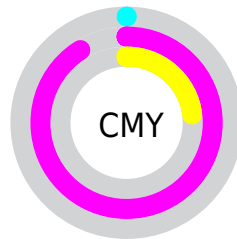


Cyan (0%)

Magenta (91%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (91%)


Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6244, 25.9040, 55.1024 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 51.6244, 25.9040, 55.1024 by changing the saturation by 10% instead.





 51.6244, 25.9040,  
55.1024


 51.6244, 25.9040,  
55.1024

383.3327,  
282.3105, 423.5929


 36.9288, 16.7518,  
39.0846


 91.7546, 53.1200,  
99.1636


 25.3258, 10.0577,  
26.5172


 117.9199, 71.9527,  
128.0441


 16.4500, 5.4372,  
16.9817


 148.6392, 94.7810,  
162.0492

 9.9360, 2.5060,  
10.0596

 184.2778,  
121.9893, 201.5974

 5.4185, 0.8797,  
5.3324

 225.2011,  
153.9620, 247.1074

 2.5321, 0.0000,  
2.3815

271.7745,

 0.9115, 0.0000,

191.0835, 298.9976

0.7763

324.3632,  
233.7382, 357.6866

■ 0.0000, 0.0000,  
0.0000

■ 51.6244, 25.9040,  
55.1024

■ 51.6244, 25.9040,  
55.1024

■ 50.6706, 25.0322,  
51.5908

■ 53.1432, 27.7474,  
59.2901

■ 55.2929, 30.8026,  
63.8422

■ 58.1636, 35.2493,  
68.7907

■ 61.8301, 41.2363,  
74.1624

■ 66.3575, 48.8933,  
79.9805

71.8039, 58.3362,  
86.2664

78.2226, 69.6704,  
93.0393

85.6622, 82.9934,  
100.3172

94.1685, 98.3957,  
108.1168

# Harmonies

## Analogous

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



41.7415, 25.9040, 108.4227



51.6244, 25.9040, 55.1024



53.1541, 25.9040, 18.3625

# Triad

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



51.6244, 25.9040, 55.1024



20.8888, 25.9040, 0.4682



11.3898, 25.9040, 91.6191

# Complementary

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



51.6244, 25.9040, 55.1024



37.6005, 72.2971, 19.7638

# 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.



8.7216, 25.9040, 41.0547



51.6244, 25.9040, 55.1024



12.9688, 25.9040, 2.2977

# Square

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



51.6244, 25.9040, 55.1024



32.7744, 25.9040, 0.7471



9.1927, 25.9040, 11.8938



17.9461, 25.9040, 138.5233



# Rectangle

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



51.6244, 25.9040, 55.1024



48.8498, 25.9040, 6.8756



9.1927, 25.9040, 11.8938



10.1165, 25.9040, 73.3723

# Sweetspot

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



51.6251, 25.9053, 55.1028



74.2316, 62.6015, 88.8945



21.7524, 9.5845, 95.3112



15.4395, 12.6098, 18.5420



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.



51.6251, 25.9053, 55.1028



50.6706, 25.0322, 51.5908



43.0331, 22.4685, 9.8581



18.5872, 18.2182, 21.7092



26.5395, 13.1051, 27.2890



2.6277, 1.2935, 2.8870



# Inverse Universe

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



51.6251, 25.9053, 55.1028



50.6706, 25.0322, 51.5908



46.1930, 75.7341, 65.0117



18.5872, 18.2182, 21.7092



26.5395, 13.1051, 27.2890



2.6277, 1.2935, 2.8870



# Previews

## White Background



This preview shows how the XYZ color 51.6244, 25.9040, 55.1024 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

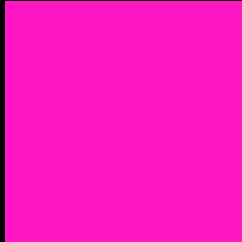
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.6244, 25.9040, 55.1024 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 51.6244, 25.9040, 55.1024

## Background



This preview shows how black text looks on a background with the XYZ color 51.6244, 25.9040, 55.1024.



This preview shows how white text looks on a background with the XYZ color 51.6244, 25.9040,



# 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

51.6244, 25.9040, 55.1024

### Protanopia

30.1624, 26.5338, 98.1395

### Deuteranopia

26.8987, 26.3469, 49.5667



## Tritanopia

42.4749, 25.9702, 11.1616

# Trichromacy



## Original Color

51.6244, 25.9040, 55.1024



## Protanomaly

30.4451, 20.0542, 80.1081



## Deuteranomaly

31.0474, 21.1538, 50.5908



## Tritanomaly

44.3326, 24.7483, 21.8424

# Monochromacy



## Original Color

51.6244, 25.9040, 55.1024



## Achromatopsia

15.4009, 16.2029, 17.6450



## Achromatomaly

23.1364, 15.6130, 27.7808

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.6244, 25.9040, 55.1024 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, 23, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 23, 197)  
}
```

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, 23, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 23, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 51.6244, 25.9040, 55.1024 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, 23, 197) }
```



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

```
.border{ border-color:rgb(255, 23, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 23, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 23, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 23, 197); box-shadow:4px 4px 4px 4px rgb(255, 23, 197) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.6244, 25.9040, 55.1024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 23, 197) }
```

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

```
.background{ background-color: rgb(255, 23,  
197) }
```

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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