

# Converting Colors

XYZ(52.4257, 26.0768, 59.7773)

Have a look what the booklet for  
XYZ(52.4257, 26.0768, 59.7773)  
contains.

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# Color

**XYZ(52.4758, 26.1004,  
60.0297)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF12CD
RGB	255, 18, 205
RGB Percent	100%, 7%, 80%
CMY	0.0000, 0.9293, 0.1961
CMYK	0.00, 0.93, 0.20, 0.00
HSL	313°, 100%, 54%
HSV	313°, 93%, 100%
XYZ	52.4758, 26.1004, 60.0297
YIQ	110.1810, 81.2250, 108.4010

# Conversions

## Conversions Part 2

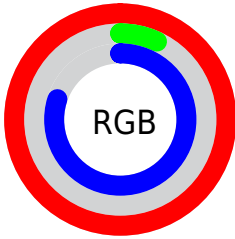
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	255, 18, 205
Decimal	16716493
CIE <sub>Lab</sub>	58.13, 90.65, -36.18
CIE <sub>LCh</sub>	58, 97.601, 338.241
Yxy	26.1004, 0.3786, 0.1883
Android (android.graphics.Color)	4294906573 (0xFFFF12CD)
YUV	110.1810, 46.7458, 127.0063
Hunter-Lab	51.0886, 93.9420, -33.9045

# Details

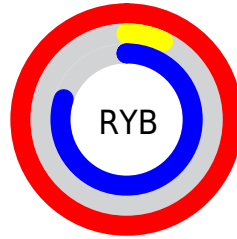
The XYZ color **52.4758, 26.1004, 60.0297** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **37.0547, 72.0668, 17.4320**, and the grayscale version is **14.7326, 15.4998, 16.8793**.

A 20% lighter version of the original color is **64.4440, 38.7881, 98.6980**, and **27.4973, 13.5395, 30.0183** is the 20% darker color. If you saturate the color by 10%, you get **51.8055, 25.4862, 57.5673**, and if you desaturate by 10%, it is **53.8039, 27.6992, 63.7326**.

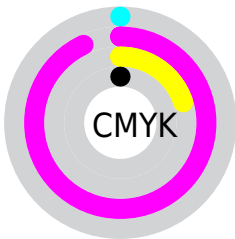
# Distribution



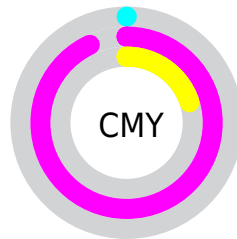
- Red (100%)
- Green (7%)
- Blue (80%)



- Red (100%)
- Yellow (7%)
- Blue (80%)



- Cyan (0%)
- Magenta (93%)
- Yellow (20%)
- Black (0%)




- Cyan (0%)
- Magenta (93%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4758, 26.1004, 60.0297 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 52.4758, 26.1004, 60.0297 by changing the saturation by 10% instead.




 52.4758, 26.1004,  
60.0297


 52.4758, 26.1004,  
60.0297


386.5646,  
283.2746, 442.5149


 37.6103, 16.8988,  
43.0171

 93.0026, 53.4369,  
106.4165


 25.8562, 10.1623,  
29.5670


 119.3947, 72.3405,  
136.6279

 16.8482, 5.5067,  
19.2609


 150.3596, 95.2469,  
172.0759

 10.2209, 2.5475,  
11.6803

 186.2627,  
122.5405, 213.1791

 5.6091, 0.9004,  
6.4065

 227.4694,  
154.6057, 260.3561

 2.6473, 0.0000,  
3.0210

274.3450,

 0.9701, 0.0000,

191.8268, 314.0254

1.1054

327.2550,  
234.5883, 374.6055

■ 0.0000, 0.0000,  
0.0000

■ 52.4758, 26.1004,  
60.0297

■ 52.4758, 26.1004,  
60.0297

■ 51.8055, 25.4862,  
57.5673

■ 53.8039, 27.6992,  
63.7326

■ 55.7342, 30.4663,  
67.7473

■ 58.3607, 34.5893,  
72.1063

■ 61.7602, 40.2216,  
76.8364

■ 65.9994, 47.4960,  
81.9609

71.1374, 56.5308,  
87.5004

77.2283, 67.4333,  
93.4739

84.3213, 80.3023,  
99.8990

92.4627, 95.2294,  
106.7919

# Harmonies

## Analogous

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



41.7060, 26.1004, 116.3507



52.4758, 26.1004, 60.0297



54.7912, 26.1004, 20.0715

# Triad

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



52.4758, 26.1004, 60.0297



21.6899, 26.1004, 0.2541



10.8942, 26.1004, 90.7629

# Complementary

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



52.4758, 26.1004, 60.0297



37.0547, 72.0668, 17.4320

# 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.



8.4257, 26.1004, 38.8090



52.4758, 26.1004, 60.0297



13.2297, 26.1004, 1.8221

# Square

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



52.4758, 26.1004, 60.0297



34.2249, 26.1004, 0.6699



9.1180, 26.1004, 10.4718



17.2988, 26.1004, 141.9031



# Rectangle

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



52.4758, 26.1004, 60.0297



50.7062, 26.1004, 7.4036



9.1180, 26.1004, 10.4718



9.6868, 26.1004, 71.6958

# Sweetspot

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



52.4764, 26.1016, 60.0301



74.0160, 61.6624, 90.3880



20.4754, 8.7923, 95.2257



15.3001, 12.2309, 18.8041



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.



52.4764, 26.1016, 60.0301



51.8055, 25.4862, 57.5673



43.2654, 22.4172, 11.5255



18.6188, 18.2309, 21.8760



27.1263, 13.3398, 30.3790



2.6803, 1.3145, 3.1640



# Inverse Universe

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



52.4764, 26.1016, 60.0301



51.8055, 25.4862, 57.5673



44.6526, 75.1059, 57.4420



18.6188, 18.2309, 21.8760



27.1263, 13.3398, 30.3790



2.6803, 1.3145, 3.1640



# Previews

## White Background



This preview shows how the XYZ color 52.4758, 26.1004, 60.0297 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

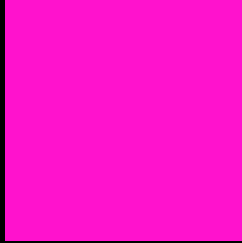
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.4758, 26.1004, 60.0297 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

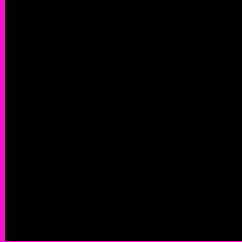
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 52.4758, 26.1004, 60.0297**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.4758, 26.1004, 60.0297.



This preview shows how white text looks on a background with the XYZ color 52.4758, 26.1004,



# 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

52.4758, 26.1004, 60.0297

### Protanopia

30.3890, 26.8607, 98.1907

### Deuteranopia

26.9151, 26.2678, 53.5208



## Tritanopia

42.3532, 26.1189, 11.6133

# Trichromacy



## Original Color

52.4758, 26.1004, 60.0297



## Protanomaly

30.7904, 20.0491, 82.3678



## Deuteranomaly

31.0940, 20.8073, 55.2007



## Tritanomaly

44.5933, 24.8526, 23.2156

# Monochromacy



## Original Color

52.4758, 26.1004, 60.0297



## Achromatopsia

14.8208, 15.5926, 16.9804



## Achromatomaly

22.8690, 15.1386, 28.5048

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.4758, 26.1004, 60.0297 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, 18, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 18, 205)  
}
```

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, 18, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 18, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 52.4758, 26.1004, 60.0297 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, 18, 205) }
```



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

```
.border{ border-color:rgb(255, 18, 205) }
```

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

Here you see how a box with a 4 pixel rgb(255, 18, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 18, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 18, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 18,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.4758, 26.1004, 60.0297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 18, 205) }
```

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

```
.background{ background-color: rgb(255, 18,  
205) }
```

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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