

# Converting Colors

XYZ(52.4428, 25.5273, 70.5865)

Have a look what the booklet for  
XYZ(52.4428, 25.5273, 70.5865)  
contains.

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# Color

**XYZ(52.4755, 25.5445,  
70.5714)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FA00DD
RGB	250, 0, 221
RGB Percent	98%, 0%, 87%
CMY	0.0196, 0.9998, 0.1333
CMYK	0.00, 1.00, 0.12, 0.02
HSL	307°, 100%, 49%
HSV	307°, 100%, 98%
XYZ	52.4755, 25.5445, 70.5714
YIQ	99.9440, 78.0590, 121.7310

# Conversions

## Conversions Part 2

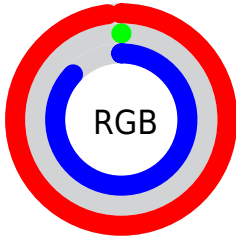
Format	Color
R <sub>Y</sub> B	250, 0, 221
Decimal	16384221
CIE Lab	57.60, 92.93, -46.18
CIE LCh	58, 103.773, 333.575
Yxy	25.5445, 0.3532, 0.1719
Android (android.graphics.Color)	4294574301 (0xFFFA00DD)
YUV	99.9440, 59.6806, 131.5991
Hunter-Lab	50.5416, 96.8824, -47.4078

# Details

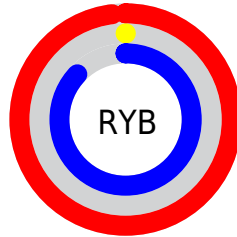
The XYZ color **52.4755, 25.5445, 70.5714** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **34.4090, 68.4611, 12.5666**, and the grayscale version is **11.9456, 12.5677, 13.6862**.

A 20% lighter version of the original color is **64.1402, 38.1805, 98.5967**, and **27.5306, 13.4080, 36.7343** is the 20% darker color. If you saturate the color by 10%, you get **52.4751, 25.5443, 70.5675**, and if you desaturate by 10%, it is **53.2146, 26.3981, 72.7413**.

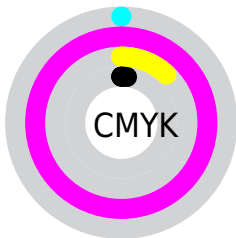
# Distribution



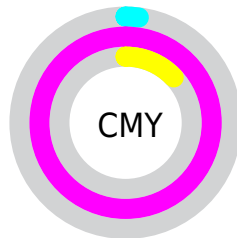
- Red (98%)
- Green (0%)
- Blue (87%)



- Red (98%)
- Yellow (0%)
- Blue (87%)



- Cyan (0%)
- Magenta (100%)
- Yellow (12%)
- Black (2%)




- Cyan (2%)
- Magenta (100%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4755, 25.5445, 70.5714 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 52.4755, 25.5445, 70.5714 by changing the saturation by 10% instead.





 52.4755, 25.5445,  
70.5714


 52.4755, 25.5445,  
70.5714

386.5634,  
280.5388, 481.3970

 37.6100, 16.4832,  
51.5128


 93.0022, 52.5392,  
121.7120


 25.8560, 9.8667,  
36.2373


 119.3941, 71.2414,  
154.6311


 16.8481, 5.3107,  
24.3264

 150.3590, 93.9260,  
193.0075

 10.2208, 2.4307,  
15.3615

 186.2620,  
120.9773, 237.2596

 5.6090, 0.8416,  
8.9240

 227.4686,  
152.7799, 287.8061

 2.6472, 0.0000,  
4.5955

274.3441,

 0.9701, 0.0000,

189.7181, 345.0655

1.9574

327.2540,  
232.1763, 409.4562

■ 0.0000, 0.0000,  
0.5289

■ 0.0000, 0.0000,  
0.0000

■ 52.4755, 25.5445,  
70.5714

■ 52.4755, 25.5445,  
70.5714

■ 52.4751, 25.5443,  
70.5675

■ 53.2146, 26.3981,  
72.7413

■ 54.4053, 28.1449,  
75.0947

■ 56.1855, 31.0599,  
77.6778

■ 58.6382, 35.3091,  
80.5186

61.8332, 41.0320,  
83.6403

65.8315, 48.3505,  
87.0636

70.6877, 57.3737,  
90.8068

76.4516, 68.2013,  
94.8865

83.1691, 80.9251,  
99.3184

# Harmonies

## Analogous

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



39.9826, 25.5445, 132.1943



52.4755, 25.5445, 70.5714



56.6662, 25.5445, 23.7723

# Triad

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



52.4755, 25.5445, 70.5714



22.8238, 25.5445, 0.0000



9.3472, 25.5445, 85.1870

# Complementary

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



52.4755, 25.5445, 70.5714



34.4090, 68.4611, 12.5666

# 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.



7.4185, 25.5445, 32.2888



52.4755, 25.5445, 70.5714



13.3430, 25.5445, 0.8986

# Square

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



52.4755, 25.5445, 70.5714



36.5007, 25.5445, 0.4463



8.5828, 25.5445, 7.1579



15.1449, 25.5445, 144.5898



# Rectangle

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



52.4755, 25.5445, 70.5714



53.3172, 25.5445, 8.4759



8.5828, 25.5445, 7.1579



8.3349, 25.5445, 65.0022

# Sweetspot

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



52.4765, 25.5458, 70.5719



73.9137, 59.9616, 94.9667



17.6581, 7.1106, 90.8851



15.3379, 11.9344, 19.9642



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.



52.4765, 25.5458, 70.5719



54.8871, 26.7188, 73.7945



41.7270, 21.2460, 13.9662



17.9012, 17.4878, 21.3355



27.8690, 13.5633, 37.6143



2.6050, 1.2657, 3.6093



# Inverse Universe

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



52.4765, 25.5458, 70.5719



54.8871, 26.7188, 73.7945



39.6933, 70.5749, 40.3934



17.9012, 17.4878, 21.3355



27.8690, 13.5633, 37.6143



2.6050, 1.2657, 3.6093



# Previews

## White Background



This preview shows how the XYZ color 52.4755, 25.5445, 70.5714 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

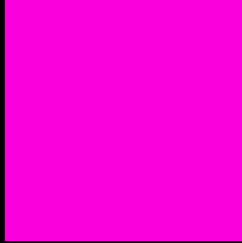
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.4755, 25.5445, 70.5714 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 52.4755, 25.5445, 70.5714**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.4755, 25.5445, 70.5714.



This preview shows how white text looks on a background with the XYZ color 52.4755, 25.5445,



# 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

52.4755, 25.5445, 70.5714

### Protanopia

29.9960, 26.4480, 98.1318

### Deuteranopia

26.8018, 26.2214, 62.6801



## Tritanopia

40.5999, 25.7662, 12.9587

# Trichromacy



## Original Color

52.4755, 25.5445, 70.5714



## Protanomaly

30.5704, 18.9502, 86.8405



## Deuteranomaly

29.8706, 19.2065, 64.4202



## Tritanomaly

42.6443, 23.4737, 26.7094

# Monochromacy



## Original Color

52.4755, 25.5445, 70.5714



## Achromatopsia

12.1130, 12.7438, 13.8780



## Achromatomaly

20.3850, 12.6490, 27.7526

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.4755, 25.5445, 70.5714 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(250, 0, 221)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 221)  
}
```

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(250, 0, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 52.4755, 25.5445, 70.5714 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(250, 0, 221) }
```



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

```
.border{ border-color:rgb(250, 0, 221) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 221);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.4755, 25.5445, 70.5714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 221) }
```

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

```
.background{ background-color: rgb(250, 0,  
221) }
```

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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