

# Converting Colors

XYZ(69.6020, 37.5688, 53.2280)

Have a look what the booklet for  
XYZ(69.6020, 37.5688, 53.2280)  
contains.

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# Color

**XYZ(52.6447, 28.8464,  
52.6624)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF41C0
RGB	255, 65, 192
RGB Percent	100%, 25%, 75%
CMY	0.0000, 0.7450, 0.2471
CMYK	0.00, 0.75, 0.25, 0.00
HSL	320°, 100%, 63%
HSV	320°, 75%, 100%
XYZ	52.6447, 28.8464, 52.6624
YIQ	136.2880, 72.4730, 79.7770

# Conversions

## Conversions Part 2

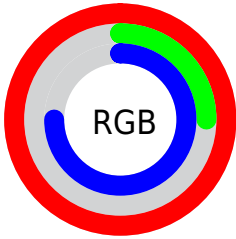
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 65, 192
Decimal	16728512
CIE Lab	60.65, 80.25, -24.84
CIE LCh	61, 84.009, 342.799
Yxy	28.8464, 0.3924, 0.2150
Android (android.graphics.Color)	4294918592 (0xFFFF41C0)
YUV	136.2880, 27.4660, 104.1104
Hunter-Lab	53.7088, 80.9729, -20.5386

# Details

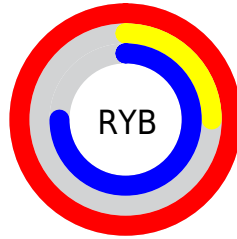
The XYZ color **52.6447, 28.8464, 52.6624** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **41.8379, 74.2031, 32.5439**, and the grayscale version is **23.3930, 24.6113, 26.8017**.

A 20% lighter version of the original color is **66.1891, 43.8001, 94.5882**, and **26.8356, 13.3043, 25.1984** is the 20% darker color. If you saturate the color by 10%, you get **50.5865, 26.1866, 47.4859**, and if you desaturate by 10%, it is **55.4183, 32.8506, 58.3435**.

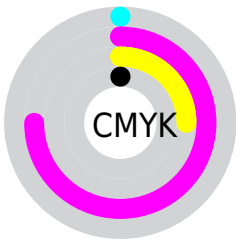
# Distribution



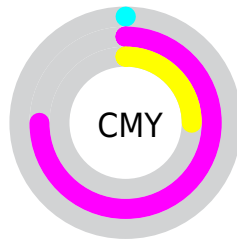
- Red (100%)
- Green (25%)
- Blue (75%)



- Red (100%)
- Yellow (25%)
- Blue (75%)



- Cyan (0%)
- Magenta (75%)
- Yellow (25%)
- Black (0%)




- Cyan (0%)
- Magenta (75%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.6447, 28.8464, 52.6624 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 52.6447, 28.8464, 52.6624 by changing the saturation by 10% instead.




 52.6447, 28.8464,  
52.6624

 52.6447, 28.8464,  
52.6624

387.2037,  
296.4895, 414.0180


 37.7456, 18.9647,  
37.1475


 93.2500, 57.8330,  
95.5439


 25.9616, 11.6447,  
25.0250


 119.6868, 77.7066,  
123.7476


 16.9274, 6.5023,  
15.8765


 150.7002,  
101.6796, 157.0179

 10.2777, 3.1528,  
9.2834

 186.6556,  
130.1364, 195.7734

 5.6472, 1.2120,  
4.8272

 227.9182,  
163.4614, 240.4326

 2.6704, 0.0715,  
2.0892

274.8536,

 0.9819, 0.0000,

202.0390, 291.4141

0.6094

327.8269,  
246.2536, 349.1364

■ 0.0000, 0.0000,  
0.0000

■ 52.6447, 28.8464,  
52.6624

■ 52.6447, 28.8464,  
52.6624

■ 50.5865, 26.1866,  
47.4859

■ 55.4183, 32.8506,  
58.3435

■ 49.1438, 24.6731,  
42.7755

■ 58.9846, 38.3528,  
64.5585

■ 48.5376, 24.1790,  
40.3588

■ 63.4130, 45.4902,  
71.3350

■ 68.7643, 54.3834,  
78.6974

■ 75.0939, 65.1414,  
86.6681

82.4524, 77.8645,  
95.2681

90.8870, 92.6456,  
104.5167

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



44.2252, 28.8464, 99.0511



52.6447, 28.8464, 52.6624



53.2897, 28.8464, 19.9199

# Triad

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



52.6447, 28.8464, 52.6624



23.0402, 28.8464, 1.7245



14.7561, 28.8464, 92.2178

# Complementary

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



52.6447, 28.8464, 52.6624



41.8379, 74.2031, 32.5439

# 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.



11.6610, 28.8464, 46.6355



52.6447, 28.8464, 52.6624



15.5206, 28.8464, 4.7705

# Square

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



52.6447, 28.8464, 52.6624



34.0798, 28.8464, 1.9023



11.8977, 28.8464, 16.8159



21.6857, 28.8464, 130.4167



# Rectangle

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



52.6447, 28.8464, 52.6624



49.0249, 28.8464, 8.8519



11.8977, 28.8464, 16.8159



13.3264, 28.8464, 76.3140

# Sweetspot

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



52.6455, 28.8479, 52.6629



76.8386, 68.1401, 88.7624



28.4241, 15.3752, 96.0773



16.0430, 13.8911, 18.5139



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.



52.6455, 28.8479, 52.6629



49.8686, 25.3777, 45.3133



45.4237, 25.9591, 14.6335



18.5215, 18.1919, 21.3635



25.4340, 12.6629, 21.4677



2.5271, 1.2532, 2.3569



# Inverse Universe

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



52.6455, 28.8479, 52.6629



49.8686, 25.3777, 45.3133



50.8815, 77.8205, 80.1667



18.5215, 18.1919, 21.3635



25.4340, 12.6629, 21.4677



2.5271, 1.2532, 2.3569



# Previews

## White Background



This preview shows how the XYZ color 52.6447, 28.8464, 52.6624 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

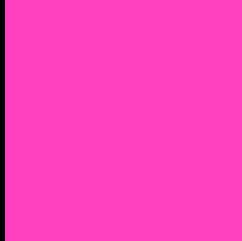
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.6447, 28.8464, 52.6624 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 52.6447, 28.8464, 52.6624**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.6447, 28.8464, 52.6624.



This preview shows how white text looks on a background with the XYZ color 52.6447, 28.8464,



# 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

52.6447, 28.8464, 52.6624

### Protanopia

32.5387, 29.3258, 96.0409

### Deuteranopia

29.4906, 28.8208, 47.7247



## Tritanopia

44.6607, 28.6997, 15.2423

# Trichromacy



## Original Color

52.6447, 28.8464, 52.6624



## Protanomaly

34.1240, 25.0426, 77.8981



## Deuteranomaly

34.6549, 25.9546, 49.0822



## Tritanomaly

46.7512, 28.2040, 25.1701

# Monochromacy



## Original Color

52.6447, 28.8464, 52.6624



## Achromatopsia

23.4014, 24.6201, 26.8113



## Achromatomaly

30.1671, 23.1359, 34.3282

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.6447, 28.8464, 52.6624 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, 65, 192)` looks like.

```
.text, #text, p{  
    color:rgb(255, 65, 192)  
}
```

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, 65, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 65, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 52.6447, 28.8464, 52.6624 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, 65, 192) }
```



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

```
.border{ border-color:rgb(255, 65, 192) }
```

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

Here you see how a box with a 4 pixel rgb(255, 65, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 65, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 65, 192);  
box-shadow:4px 4px 4px 4px rgb(255, 65,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.6447, 28.8464, 52.6624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 65, 192) }
```

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

```
.background{ background-color: rgb(255, 65,  
192) }
```

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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