

# Converting Colors

XYZ(60.4253, 44.6403, 65.1062)

Have a look what the booklet for  
XYZ(60.4253, 44.6403, 65.1062)  
contains.

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# Color

**XYZ(60.4253, 44.6403,  
65.1062)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F990D0
RGB	249, 144, 208
RGB Percent	98%, 56%, 82%
CMY	0.0235, 0.4353, 0.1843
CMYK	0.00, 0.42, 0.16, 0.02
HSL	323°, 90%, 77%
HSV	323°, 42%, 98%
XYZ	60.4253, 44.6403, 65.1062
YIQ	182.6910, 42.0360, 42.1640

# Conversions

## Conversions Part 2

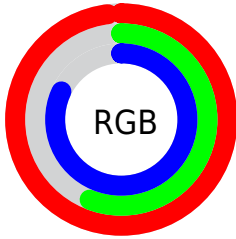
Format	Color
R <sub>Y</sub> B	249, 144, 208
Decimal	16355536
CIE Lab	72.65, 47.80, -15.64
CIE LCh	73, 50.292, 341.880
Yxy	44.6403, 0.3551, 0.2623
Android (android.graphics.Color)	4294545616 (0xFFFF990D0)
YUV	182.6910, 12.4773, 58.1530
Hunter-Lab	66.8134, 44.5100, -11.0057

# Details

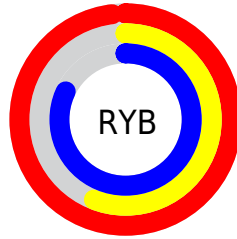
The XYZ color **60.4253, 44.6403, 65.1062** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **54.1362, 77.1847, 57.9472**, and the grayscale version is **44.7596, 47.0906, 51.2816**.

A 20% lighter version of the original color is **79.9443, 69.7886, 103.8648**, and **30.9748, 20.7218, 32.9390** is the 20% darker color. If you saturate the color by 10%, you get **55.9017, 37.4489, 57.8761**, and if you desaturate by 10%, it is **65.8565, 53.5285, 73.0016**.

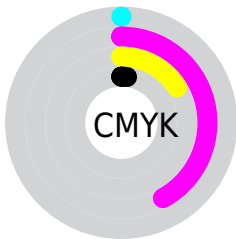
# Distribution



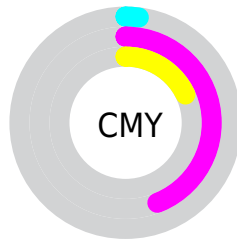
- Red (98%)
- Green (56%)
- Blue (82%)



- Red (98%)
- Yellow (56%)
- Blue (82%)



- Cyan (0%)
- Magenta (42%)
- Yellow (16%)
- Black (2%)




- Cyan (2%)
- Magenta (44%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.4253, 44.6403, 65.1062 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 60.4253, 44.6403, 65.1062 by changing the saturation by 10% instead.




 60.4253, 44.6403,  
65.1062


 60.4253, 44.6403,  
65.1062


415.9733,  
365.3148, 461.4902

 44.0123, 31.1742,  
47.0953

 104.5492, 82.1804,  
113.8173

 30.8781, 20.7315,  
32.7561


 132.9908,  
107.0231, 145.3545

 20.6574, 12.9279,  
21.6701


166.1727,  
136.4269, 182.2376

 12.9849, 7.3789,  
13.4187

204.4602,  
170.7761, 224.8852

 7.4951, 3.7002,  
7.5834

248.2186,  
210.4551, 273.7156

 3.8226, 1.5073,  
3.7456

297.8134,

 1.6023, 0.2939,

255.8483, 329.1476

1.4869

353.6098,  
307.3401, 391.5996

■ 0.3939, 0.0000,  
0.2081

■ 0.0000, 0.0000,  
0.0000

■ 60.4253, 44.6403,  
65.1062

■ 60.4253, 44.6403,  
65.1062

■ 55.9017, 37.4489,  
57.8761

■ 65.8565, 53.5285,  
73.0016

■ 52.2252, 31.8368,  
51.2833

■ 72.2429, 64.2081,  
81.5832

■ 49.3337, 27.6817,  
45.3011

■ 79.6332, 76.7743,  
90.8736

■ 47.1546, 24.8402,  
39.8984

■ 88.0718, 91.3136,  
100.8936

■ 45.6001, 23.1395,  
35.0389

■ 92.8771, 98.8799,  
108.7983

■ 44.7156, 22.3992,  
31.5726

# Harmonies

## Analogous

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



54.6239, 44.6403, 93.7925



60.4253, 44.6403, 65.1062



61.0247, 44.6403, 39.3830

# Triad

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



60.4253, 44.6403, 65.1062



39.0732, 44.6403, 15.1503



31.1387, 44.6403, 88.1839

# Complementary

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



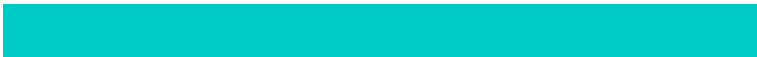
60.4253, 44.6403, 65.1062



54.1362, 77.1847, 57.9472

# 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.



28.0565, 44.6403, 59.1664



60.4253, 44.6403, 65.1062



32.1997, 44.6403, 20.9205

# Square

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



60.4253, 44.6403, 65.1062



47.8556, 44.6403, 15.7802



28.4162, 44.6403, 35.1590



37.4295, 44.6403, 109.9487



# Rectangle

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



60.4253, 44.6403, 65.1062



58.3036, 44.6403, 27.4151



28.4162, 44.6403, 35.1590



29.7345, 44.6403, 78.6026

# Sweetspot

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



60.4266, 44.6424, 65.1071



83.3567, 79.8370, 95.0645



46.9013, 37.0098, 94.2947



17.4571, 16.4315, 19.8729



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.



60.4266, 44.6424, 65.1071



59.4923, 40.2846, 61.9029



55.0638, 42.4973, 36.8667



17.6891, 17.4030, 20.2186



24.0072, 12.0186, 17.2783



2.2755, 1.1339, 1.8741



# Inverse Universe

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



60.4266, 44.6424, 65.1071



59.4923, 40.2846, 61.9029



60.6283, 79.7815, 92.1343



17.6891, 17.4030, 20.2186



24.0072, 12.0186, 17.2783



2.2755, 1.1339, 1.8741



# Previews

## White Background



This preview shows how the XYZ color 60.4253, 44.6403, 65.1062 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

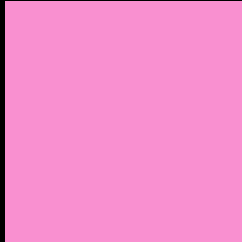
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.4253, 44.6403, 65.1062 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 ✓ Pass

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

**XYZ 60.4253, 44.6403, 65.1062**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.4253, 44.6403, 65.1062.



This preview shows how white text looks on a background with the XYZ color 60.4253, 44.6403,



# 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

60.4253, 44.6403, 65.1062

### Protanopia

45.6630, 45.2131, 81.9216

### Deuteranopia

45.9231, 44.8982, 62.7457



## Tritanopia

55.4003, 44.6959, 40.8292

# Trichromacy



## Original Color

60.4253, 44.6403, 65.1062



## Protanomaly

49.5394, 43.9737, 75.6888



## Deuteranomaly

50.1291, 44.0121, 63.6107



## Tritanomaly

57.1506, 44.7008, 48.7960

# Monochromacy



## Original Color

60.4253, 44.6403, 65.1062



## Achromatopsia

45.0092, 47.3531, 51.5676



## Achromatomaly

49.4345, 45.4471, 56.0359

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.4253, 44.6403, 65.1062 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(249, 144, 208)` looks like.

```
.text, #text, p{  
    color:rgb(249, 144, 208)  
}
```

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(249, 144, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 144, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 60.4253, 44.6403, 65.1062 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(249, 144, 208) }
```



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

```
.border{ border-color:rgb(249, 144, 208) }
```

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

Here you see how a box with a 4 pixel rgb(249, 144, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 144, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 144, 208);  
box-shadow:4px 4px 4px 4px rgb(249, 144,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.4253, 44.6403, 65.1062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 144, 208) }
```

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

```
.background{ background-color: rgb(249,  
144, 208) }
```

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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