

# Converting Colors

XYZ(60.3376, 41.1469, 64.7384)

Have a look what the booklet for  
XYZ(60.3376, 41.1469, 64.7384)  
contains.

<b>XYZ(60.3443, 41.2524, 64.4565)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(60.3443, 41.2524,  
64.4565)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF80D0
RGB	255, 128, 208
RGB Percent	100%, 50%, 82%
CMY	0.0000, 0.4980, 0.1843
CMYK	0.00, 0.50, 0.18, 0.00
HSL	322°, 100%, 75%
HSV	322°, 50%, 100%
XYZ	60.3443, 41.2524, 64.4565
YIQ	175.0930, 50.0120, 51.8040

# Conversions

## Conversions Part 2

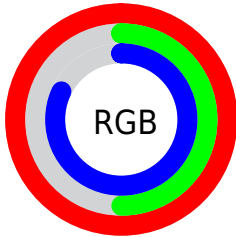
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 128, 208
Decimal	16744656
CIE <sub>Lab</sub>	70.35, 57.53, -19.05
CIE <sub>LCh</sub>	70, 60.600, 341.680
Yxy	41.2524, 0.3634, 0.2484
Android (android.graphics.Color)	4294934736 (0xFFFF80D0)
YUV	175.0930, 16.2232, 70.0784
Hunter-Lab	64.2280, 55.3074, -14.5413

# Details

The XYZ color **60.3443, 41.2524, 64.4565** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **52.4016, 79.2051, 53.0869**, and the grayscale version is **40.6975, 42.8169, 46.6276**.

A 20% lighter version of the original color is **76.4305, 62.7610, 102.6935**, and **30.9802, 18.8339, 32.5743** is the 20% darker color. If you saturate the color by 10%, you get **56.2995, 34.9660, 57.5492**, and if you desaturate by 10%, it is **65.2959, 49.2414, 72.0079**.

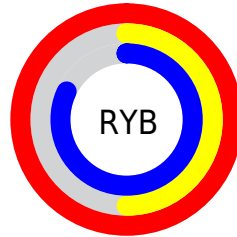
# Distribution



Red (100%)

Green (50%)

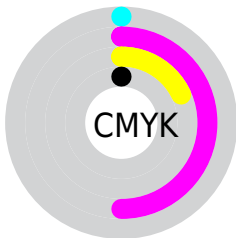
Blue (82%)



Red (100%)

Yellow (50%)

Blue (82%)

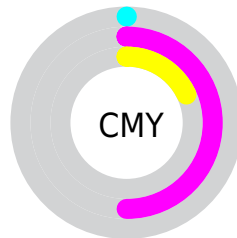


Cyan (0%)

Magenta (50%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (50%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.3443, 41.2524, 64.4565 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 60.3443, 41.2524, 64.4565 by changing the saturation by 10% instead.





 60.3443, 41.2524,  
64.4565


 60.3443, 41.2524,  
64.4565


415.6801,  
351.3744, 459.0889


 43.9467, 28.5164,  
46.5720

 104.4325, 77.0669,  
112.8739

 30.8264, 18.7153,  
32.3455


 132.8538,  
100.9141, 144.2438

 20.6178, 11.4647,  
21.3585


 166.0137,  
129.2339, 180.9460

 12.9558, 6.3803,  
13.1925

204.2776,  
162.4106, 223.3989

 7.4749, 3.0777,  
7.4290

248.0108,  
200.8286, 272.0211

 3.8098, 1.1724,  
3.6493

297.5788,

 1.5951, 0.0390,

244.8723, 327.2312

1.4350

353.3467,  
294.9261, 389.4476

■ 0.3892, 0.0000,  
0.1688

■ 0.0000, 0.0000,  
0.0000

■ 60.3443, 41.2524,  
64.4565

■ 60.3443, 41.2524,  
64.4565

■ 56.2995, 34.9660,  
57.5492

■ 65.2959, 49.2414,  
72.0079

■ 53.0934, 30.2483,  
51.2560

■ 71.2094, 59.0422,  
80.2261

■ 50.6526, 26.9548,  
45.5470

■ 78.1394, 70.7615,  
89.1354

■ 48.8890, 24.9109,  
40.3865

■ 86.1350, 84.4960,  
98.7575

■ 47.6621, 23.8377, 95.0500, 100.0000,  
35.7212 108.9000

■ 47.6401, 23.8200,  
35.6324

# Harmonies

## Analogous

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



53.3725, 41.2524, 99.5956



60.3443, 41.2524, 64.4565



61.1129, 41.2524, 34.7032

# Triad

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



60.3443, 41.2524, 64.4565



35.4585, 41.2524, 9.7701



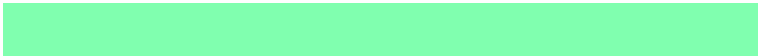
26.5745, 41.2524, 92.1506

# Complementary

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



60.3443, 41.2524, 64.4565



52.4016, 79.2051, 53.0869

# 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.



23.2859, 41.2524, 56.9604



60.3443, 41.2524, 64.4565



27.8033, 41.2524, 15.1440

# Square

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



60.3443, 41.2524, 64.4565



45.5422, 41.2524, 10.3769



23.6939, 41.2524, 29.7885



33.4923, 41.2524, 119.6942



# Rectangle

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



60.3443, 41.2524, 64.4565



57.8690, 41.2524, 21.8310



23.6939, 41.2524, 29.7885



25.0654, 41.2524, 80.3171

# Sweetspot

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



60.3453, 41.2543, 64.4573



81.8423, 77.0985, 93.6648



43.3532, 31.7246, 98.4462



17.1631, 15.8943, 19.6181



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.



60.3453, 41.2543, 64.4573



56.2278, 34.8573, 57.4182



54.0662, 38.7426, 31.3920



18.4908, 18.1796, 21.2016



24.9675, 12.4763, 19.0113



2.4838, 1.2359, 2.1291



# Inverse Universe

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



60.3453, 41.2543, 64.4573



56.2278, 34.8573, 57.4182



60.1057, 82.2868, 93.6560



18.4908, 18.1796, 21.2016



24.9675, 12.4763, 19.0113

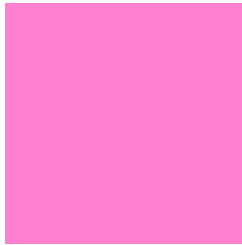


2.4838, 1.2359, 2.1291



# Previews

## White Background



This preview shows how the XYZ color 60.3443, 41.2524, 64.4565 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

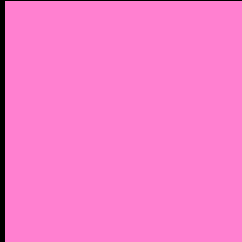
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.3443, 41.2524, 64.4565 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 60.3443, 41.2524, 64.4565**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.3443, 41.2524, 64.4565.



This preview shows how white text looks on a background with the XYZ color 60.3443, 41.2524,



# 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

60.3443, 41.2524, 64.4565

### Protanopia

42.7562, 41.5979, 86.6646

### Deuteranopia

42.2244, 41.3363, 61.0116



## Tritanopia

53.9500, 41.0979, 33.9434

# Trichromacy



## Original Color

60.3443, 41.2524, 64.4565



## Protanomaly

46.5727, 39.8076, 77.9020



## Deuteranomaly

47.1922, 39.9795, 62.3563



## Tritanomaly

55.9385, 41.0578, 43.5047

# Monochromacy



## Original Color

60.3443, 41.2524, 64.4565



## Achromatopsia

40.7470, 42.8690, 46.6844



## Achromatomaly

46.0983, 40.8789, 52.4745

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.3443, 41.2524, 64.4565 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, 128, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 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(255, 128, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 60.3443, 41.2524, 64.4565 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, 128, 208) }
```



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

```
.border{ border-color:rgb(255, 128, 208) }
```

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

Here you see how a box with a 4 pixel rgb(255, 128, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.3443, 41.2524, 64.4565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 208) }
```

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

```
.background{ background-color: rgb(255,  
128, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor