

# Converting Colors

XYZ(51.3824, 39.9827, 60.5823)

Have a look what the booklet for  
XYZ(51.3824, 39.9827, 60.5823)  
contains.

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# Color

**XYZ(51.3744, 40.0581,  
60.9014)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E090CA
RGB	224, 144, 202
RGB Percent	88%, 56%, 79%
CMY	0.1216, 0.4353, 0.2078
CMYK	0.00, 0.36, 0.10, 0.12
HSL	317°, 56%, 72%
HSV	317°, 36%, 88%
XYZ	51.3744, 40.0581, 60.9014
YIQ	174.5320, 29.0620, 34.9980

# Conversions

## Conversions Part 2

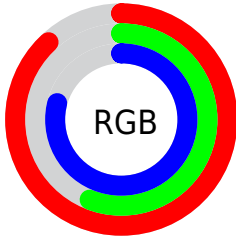
Format	Color
R <sub>Y</sub> B	224, 144, 202
Decimal	14717130
CIE Lab	69.51, 38.71, -17.35
CIE LCh	70, 42.422, 335.855
Yxy	40.0581, 0.3372, 0.2630
Android (android.graphics.Color)	4292907210 (0xFFE090CA)
YUV	174.5320, 13.5417, 43.3834
Hunter-Lab	63.2915, 34.1304, -12.7470

# Details

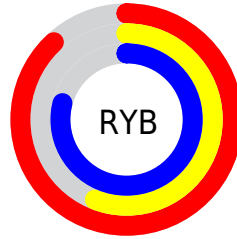
The XYZ color **51.3744, 40.0581, 60.9014** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **45.0419, 61.9950, 45.6713**, and the grayscale version is **40.4289, 42.5343, 46.3199**.

A 20% lighter version of the original color is **79.7134, 69.3268, 103.7878**, and **25.1088, 18.0079, 30.1695** is the 20% darker color. If you saturate the color by 10%, you get **47.5976, 33.6481, 56.1155**, and if you desaturate by 10%, it is **55.8558, 47.8296, 66.0667**.

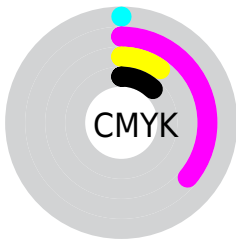
# Distribution



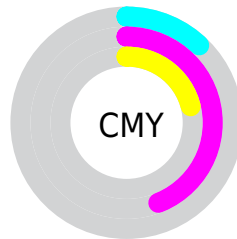
- Red (88%)
- Green (56%)
- Blue (79%)



- Red (88%)
- Yellow (56%)
- Blue (79%)



- Cyan (0%)
- Magenta (36%)
- Yellow (10%)
- Black (12%)




- Cyan (12%)
- Magenta (44%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3744, 40.0581, 60.9014 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 51.3744, 40.0581, 60.9014 by changing the saturation by 10% instead.





 51.3744, 40.0581,  
60.9014


 51.3744, 40.0581,  
60.9014


382.3804,  
346.3684, 445.8089

 36.7289, 27.5838,  
43.7156


 91.3877, 75.2520,  
107.6923

 25.1704, 18.0122,  
30.1114


 117.4861, 98.7404,  
138.1344

 16.3334, 10.9587,  
19.6704

148.1330,  
126.6690, 173.8324

 9.8528, 6.0391,  
11.9740

183.6936,  
159.4221, 215.2048

 5.3630, 2.8689,  
6.6036

224.5333,  
197.3843, 262.6701

 2.4987, 1.0637,  
3.1408

271.0174,

 0.8946, 0.0000,

240.9398, 316.6468

1.1670

323.5113,  
290.4730, 377.5536

■ 0.0000, 0.0000,  
0.0000

■ 51.3744, 40.0581,  
60.9014

■ 51.3744, 40.0581,  
60.9014

■ 47.5976, 33.6481,  
56.1155

■ 55.8558, 47.8296,  
66.0667

■ 44.4814, 28.5138,  
51.6914

■ 61.0753, 57.0306,  
71.6229

■ 41.9825, 24.5686,  
47.6134


■ 67.0684, 67.7312,  
77.5839


■ 40.0506, 21.7123,  
43.8630


■ 73.8673, 79.9952,  
83.9620


■ 38.6271, 19.8286,  
40.4190


■ 81.1806, 93.2394,  
90.6615


 37.6401, 18.7740,  
37.2556

 82.0753, 93.5973,  
95.3731

 37.2977, 18.4702,  
35.9671

 83.0011, 93.9676,  
100.2481

 83.9582, 94.3504,  
105.2880

 84.5508, 94.5874,  
108.4086

# Harmonies

## Analogous

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



46.3051, 40.0581, 81.8026



51.3744, 40.0581, 60.9014



52.7065, 40.0581, 39.8875

# Triad

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



51.3744, 40.0581, 60.9014



36.7487, 40.0581, 15.8602



28.3818, 40.0581, 69.5952

# Complementary

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



51.3744, 40.0581, 60.9014



45.0419, 61.9950, 45.6713

# 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.



26.4363, 40.0581, 47.5709



51.3744, 40.0581, 60.9014



30.8812, 40.0581, 19.6640

# Square

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



51.3744, 40.0581, 60.9014



43.7088, 40.0581, 17.4912



27.2935, 40.0581, 29.9570



32.9456, 40.0581, 87.7835



# Rectangle

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



51.3744, 40.0581, 60.9014



51.1723, 40.0581, 29.1715



27.2935, 40.0581, 29.9570



27.4265, 40.0581, 62.1820

# Sweetspot

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



51.3756, 40.0599, 60.9022



85.5281, 82.9039, 99.7213



39.0161, 33.3656, 74.9055



18.0748, 17.3316, 21.1124



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.



51.3756, 40.0599, 60.9022



64.9884, 47.0457, 76.7785



47.2963, 38.4282, 39.4206



14.1258, 13.8679, 16.4326



21.7606, 10.7713, 21.2030



1.5455, 0.7615, 1.6654



# Inverse Universe

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



51.3756, 40.0599, 60.9022



64.9884, 47.0457, 76.7785



49.2184, 63.6656, 67.6647



14.1258, 13.8679, 16.4326



21.7606, 10.7713, 21.2030

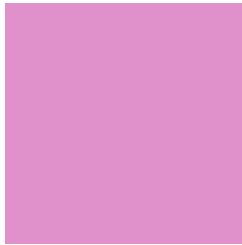


1.5455, 0.7615, 1.6654



# Previews

## White Background



This preview shows how the XYZ color 51.3744, 40.0581, 60.9014 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

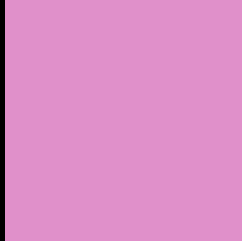
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.3744, 40.0581, 60.9014 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

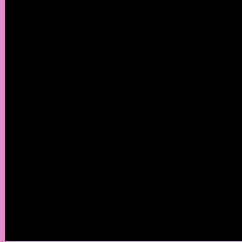
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.3744, 40.0581, 60.9014

## Background



This preview shows how black text looks on a background with the XYZ color 51.3744, 40.0581, 60.9014.



This preview shows how white text looks on a background with the XYZ color 51.3744, 40.0581,



# 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

51.3744, 40.0581, 60.9014

### Protanopia

40.6934, 40.2878, 72.6494

### Deuteranopia

41.0628, 40.2339, 59.0278



## Tritanopia

46.8909, 39.8376, 39.8683

# Trichromacy



## Original Color

51.3744, 40.0581, 60.9014



## Protanomaly

43.4644, 39.4241, 68.2696



## Deuteranomaly

44.2739, 39.7837, 59.3784



## Tritanomaly

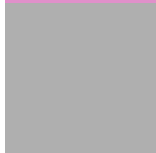
48.3445, 39.7263, 46.7149

# Monochromacy



## Original Color

51.3744, 40.0581, 60.9014



## Achromatopsia

40.7470, 42.8690, 46.6844



## Achromatomaly

44.0247, 41.3912, 51.5679

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.3744, 40.0581, 60.9014 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(224, 144, 202)` looks like.

```
.text, #text, p{  
    color:rgb(224, 144, 202)  
}
```

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(224, 144, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 144, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 51.3744, 40.0581, 60.9014 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(224, 144, 202) }
```



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

```
.border{ border-color:rgb(224, 144, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 144, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 144, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 144, 202);  
box-shadow:4px 4px 4px 4px rgb(224, 144,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.3744, 40.0581, 60.9014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 144, 202) }
```

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

```
.background{ background-color: rgb(224,  
144, 202) }
```

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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