

# Converting Colors

XYZ(50.7514, 40.5263, 61.9844)

Have a look what the booklet for  
XYZ(50.7514, 40.5263, 61.9844)  
contains.

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# Color

**XYZ(51.0042, 40.7551,  
62.3050)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DC94CC
RGB	220, 148, 204
RGB Percent	86%, 58%, 80%
CMY	0.1373, 0.4196, 0.2000
CMYK	0.00, 0.33, 0.07, 0.14
HSL	313°, 51%, 72%
HSV	313°, 33%, 86%
XYZ	51.0042, 40.7551, 62.3050
YIQ	175.9120, 24.9360, 32.6800

# Conversions

## Conversions Part 2

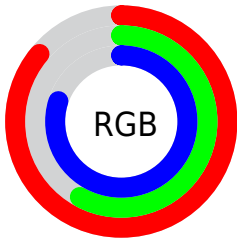
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	220, 148, 204
Decimal	14456012
CIE <sub>Lab</sub>	70.00, 35.60, -17.76
CIE <sub>LCh</sub>	70, 39.788, 333.491
Yxy	40.7551, 0.3311, 0.2645
Android (android.graphics.Color)	4292646092 (0xFFDC94CC)
YUV	175.9120, 13.8474, 38.6652
Hunter-Lab	63.8397, 30.8915, -13.1769

# Details

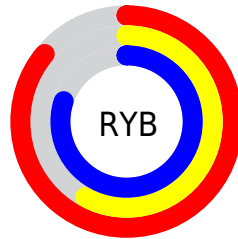
The XYZ color **51.0042, 40.7551, 62.3050** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.5085, 60.1639, 44.3915**, and the grayscale version is **41.1431, 43.2858, 47.1382**.

A 20% lighter version of the original color is **80.6459, 71.1919, 104.0986**, and **24.9977, 18.4603, 31.0998** is the 20% darker color. If you saturate the color by 10%, you get **47.2988, 34.2675, 58.2221**, and if you desaturate by 10%, it is **55.3863, 48.5653, 66.7052**.

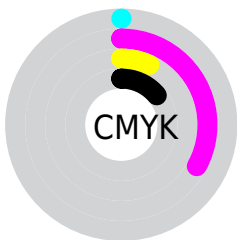
# Distribution



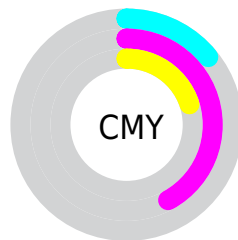
- Red (86%)
- Green (58%)
- Blue (80%)



- Red (86%)
- Yellow (58%)
- Blue (80%)



- Cyan (0%)
- Magenta (33%)
- Yellow (7%)
- Black (14%)




- Cyan (14%)
- Magenta (42%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0042, 40.7551, 62.3050 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 51.0042, 40.7551, 62.3050 by changing the saturation by 10% instead.





 51.0042, 40.7551,  
62.3050

 51.0042, 40.7551,  
62.3050


380.9675,  
349.2960, 451.0811

 36.4330, 28.1278,  
44.8418


 90.8439, 76.3120,  
109.7421

 24.9405, 18.4220,  
30.9908


 116.8432,  
100.0103, 140.5531

 16.1612, 11.2534,  
20.3334


147.3825,  
128.1678, 176.6504

 9.7299, 6.2375,  
12.4512

182.8272,  
161.1688, 218.4526

 5.2811, 2.9900,  
6.9255

223.5428,  
199.3978, 266.3782

 2.4496, 1.1265,  
3.3378

269.8944,

 0.8699, 0.0004,

243.2390, 320.8458

1.2696

322.2475,  
293.0770, 382.2739

■ 0.0000, 0.0000,  
0.0367

■ 0.0000, 0.0000,  
0.0000

■ 51.0042, 40.7551,  
62.3050

■ 51.0042, 40.7551,  
62.3050

■ 47.2988, 34.2675,  
58.2221

■ 55.3863, 48.5653,  
66.7052

■ 44.2290, 29.0225,  
54.4407

■ 60.4758, 57.7613,  
71.4323

■ 41.7547, 24.9397,  
50.9470

■ 66.3061, 68.4088,  
76.4989

■ 39.8300, 21.9274,  
47.7247

■ 72.9073, 80.5678,  
81.9156

■ 38.4017, 19.8795,  
44.7555

■ 79.3413, 92.3621,  
87.3707

■ 37.4059, 18.6685,  
42.0171

■ 80.0317, 92.6383,  
91.0060

■ 36.8766, 18.1602,  
40.1439

■ 80.7414, 92.9222,  
94.7433

■ 81.4706, 93.2138,  
98.5833

■ 82.2195, 93.5134,  
102.5270

# Harmonies

## Analogous

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



46.0346, 40.7551, 81.3295



51.0042, 40.7551, 62.3050



52.5675, 40.7551, 42.2358

# Triad

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



51.0042, 40.7551, 62.3050



37.9820, 40.7551, 17.4174



29.2378, 40.7551, 67.1487

# Complementary

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



51.0042, 40.7551, 62.3050



44.5085, 60.1639, 44.3915

# 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.



27.5730, 40.7551, 46.5860



51.0042, 40.7551, 62.3050



32.2536, 40.7551, 20.7540

# Square

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



51.0042, 40.7551, 62.3050



44.5746, 40.7551, 19.4710



28.6128, 40.7551, 30.2648



33.4318, 40.7551, 84.6304



# Rectangle

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



51.0042, 40.7551, 62.3050



51.3385, 40.7551, 31.6056



28.6128, 40.7551, 30.2648



28.3865, 40.7551, 60.1909

# Sweetspot

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



51.0055, 40.7569, 62.3059



86.5487, 84.4361, 101.6312



38.7374, 34.1993, 72.2704



18.2877, 17.6408, 21.5430



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.



51.0055, 40.7569, 62.3059



67.7465, 50.7636, 83.2424



47.2119, 39.2395, 42.3291



13.4841, 13.2227, 15.8103



21.6858, 10.6753, 23.7890



1.4361, 0.7041, 1.7053



# Inverse Universe

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



51.0055, 40.7569, 62.3059



67.7465, 50.7636, 83.2424



48.1861, 61.6349, 63.7573



13.4841, 13.2227, 15.8103



21.6858, 10.6753, 23.7890

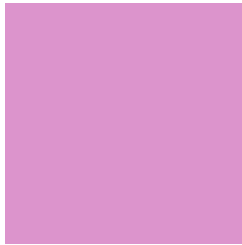


1.4361, 0.7041, 1.7053



# Previews

## White Background



This preview shows how the XYZ color 51.0042, 40.7551, 62.3050 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

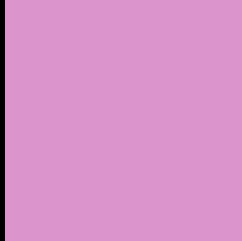
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.0042, 40.7551, 62.3050 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

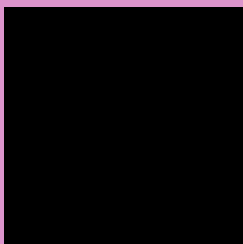
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.0042, 40.7551, 62.3050**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.0042, 40.7551, 62.3050.



This preview shows how white text looks on a background with the XYZ color 51.0042, 40.7551,



# 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

51.0042, 40.7551, 62.3050

### Protanopia

41.4590, 41.2349, 72.7918

### Deuteranopia

41.6996, 40.8062, 60.3222



## Tritanopia

46.7207, 40.6798, 41.9487

# Trichromacy



## Original Color

51.0042, 40.7551, 62.3050



## Protanomaly

44.1140, 40.5195, 69.1143



## Deuteranomaly

44.5993, 40.4350, 60.7124



## Tritanomaly

48.0817, 40.5035, 48.4638

# Monochromacy



## Original Color

51.0042, 40.7551, 62.3050



## Achromatopsia

41.2663, 43.4154, 47.2793



## Achromatomaly

44.2374, 42.0241, 52.2343

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.0042, 40.7551, 62.3050 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(220, 148, 204)` looks like.

```
.text, #text, p{  
    color:rgb(220, 148, 204)  
}
```

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(220, 148, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 148, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 51.0042, 40.7551, 62.3050 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(220, 148, 204) }
```



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

```
.border{ border-color:rgb(220, 148, 204) }
```

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

Here you see how a box with a 4 pixel rgb(220, 148, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 148, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 148, 204);  
box-shadow:4px 4px 4px 4px rgb(220, 148,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.0042, 40.7551, 62.3050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 148, 204) }
```

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

```
.background{ background-color: rgb(220,  
148, 204) }
```

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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