

# Converting Colors

XYZ(61.4182, 53.1872, 94.8267)

Have a look what the booklet for  
XYZ(61.4182, 53.1872, 94.8267)  
contains.

<b>XYZ(61.4241, 53.0651, 95.0009)</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(61.4241, 53.0651,  
95.0009)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DAB1F7
RGB	218, 177, 247
RGB Percent	85%, 69%, 97%
CMY	0.1451, 0.3059, 0.0314
CMYK	0.12, 0.28, 0.00, 0.03
HSL	275°, 81%, 83%
HSV	275°, 28%, 97%
XYZ	61.4241, 53.0651, 95.0009
YIQ	197.2390, 1.9660, 30.4620

# Conversions

## Conversions Part 2

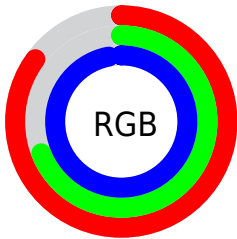
Format	Color
R <sub>Y</sub> B	218, 177, 247
Decimal	14332407
CIE Lab	77.91, 27.49, -29.19
CIE LCh	78, 40.095, 313.276
Yxy	53.0651, 0.2932, 0.2533
Android (android.graphics.Color)	4292522487 (0xFFDAB1F7)
YUV	197.2390, 24.5322, 18.2074
Hunter-Lab	72.8458, 23.0323, -26.3302

# Details

The XYZ color **61.4241, 53.0651, 95.0009** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **66.6519, 82.8190, 54.0701**, and the grayscale version is **53.0724, 55.8363, 60.8057**.

A 20% lighter version of the original color is **88.4289, 86.7578, 106.6930**, and **31.4022, 25.8144, 52.0428** is the 20% darker color. If you saturate the color by 10%, you get **54.0140, 42.6474, 93.3815**, and if you desaturate by 10%, it is **69.9096, 65.3505, 96.9258**.

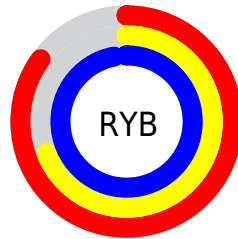
# Distribution



Red (85%)

Green (69%)

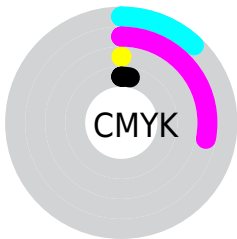
Blue (97%)



Red (85%)

Yellow (69%)

Blue (97%)

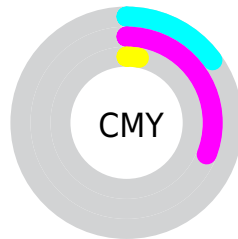


Cyan (12%)

Magenta (28%)

Yellow (0%)

Black (3%)



Cyan (15%)

Magenta (31%)

Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.4241, 53.0651, 95.0009 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 61.4241, 53.0651, 95.0009 by changing the saturation by 10% instead.



61.4241, 53.0651,  
95.0009

61.4241, 53.0651,  
95.0009

419.5784,  
398.5348, 565.1523

44.8214, 37.8547,  
71.5388

105.9874, 94.7002,  
156.2614

31.5174, 25.8700,  
52.2975

134.6787,  
121.8936, 194.8970

21.1469, 16.7264,  
36.8584

168.1302,  
153.8503, 239.4274

13.3445, 10.0396,  
24.8029

206.7072,  
190.9545, 290.2714

7.7448, 5.4252,  
15.7126

250.7752,  
233.5907, 347.8472

3.9825, 2.4989,  
9.1689

300.6995,

1.6923, 0.8761,

282.1432, 412.5737

4.7532

356.8455,  
336.9964, 484.8692

■ 0.4514, 0.0000,  
2.0470

■ 0.0000, 0.0000,  
0.5839

■ 61.4241, 53.0651,  
95.0009

■ 61.4241, 53.0651,  
95.0009

■ 54.0140, 42.6474,  
93.3815

■ 69.9096, 65.3505,  
96.9258

■ 47.6230, 33.9936,  
92.0480

■ 79.5125, 79.5869,  
99.1676

■ 42.1972, 27.0000,  
90.9840

■ 90.2791, 95.8603,  
101.7412

■ 37.6751, 21.5487,  
90.1702

■ 93.7887, 99.4955,  
102.2579

■ 33.9869, 17.5056,  
89.5842

■ 31.0508, 14.7130,  
89.1999

■ 28.7534, 12.9496,  
88.9806

■ 28.4078, 12.7054,  
88.9517

# Harmonies

## Analogous

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



53.9574, 53.0651, 110.4305



61.4241, 53.0651, 95.0009



66.1946, 53.0651, 71.0310

# Triad

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



61.4241, 53.0651, 95.0009



54.8735, 53.0651, 25.6501



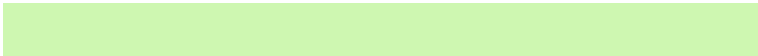
37.2112, 53.0651, 68.2069

# Complementary

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



61.4241, 53.0651, 95.0009



66.6519, 82.8190, 54.0701

# 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.



37.4020, 53.0651, 46.2869



61.4241, 53.0651, 95.0009



47.0727, 53.0651, 25.2631

# Square

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



61.4241, 53.0651, 95.0009



62.1540, 53.0651, 33.0672



40.8447, 53.0651, 31.8244



40.2932, 53.0651, 92.4799



# Rectangle

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



61.4241, 53.0651, 95.0009



66.9278, 53.0651, 55.3604



40.8447, 53.0651, 31.8244



36.9050, 53.0651, 60.2668

# Sweetspot

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



61.4258, 53.0673, 95.0021



84.7488, 84.4625, 106.4439



57.0334, 60.2875, 96.6272



17.8039, 17.5769, 22.7043



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.



61.4258, 53.0673, 95.0021



61.3459, 50.4088, 101.1043



69.9835, 57.5814, 90.7765



16.5113, 16.4062, 20.8390



15.1893, 6.8047, 47.0509



1.4517, 0.6582, 4.1408



# Inverse Universe

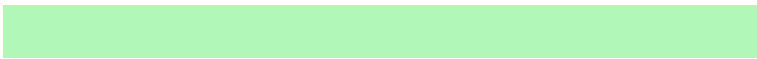
The Inverse Universe completely reimagines the original color for something new.



65.2222, 55.6768, 65.7038



66.2234, 53.7463, 64.1482



59.9239, 79.2820, 56.8558



16.7838, 16.5964, 18.6082



21.6300, 10.9954, 8.0257



1.9509, 0.9863, 0.9681



# Previews

## White Background



This preview shows how the XYZ color 61.4241, 53.0651, 95.0009 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

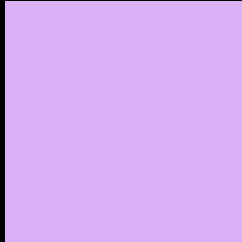
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.4241, 53.0651, 95.0009 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 61.4241, 53.0651, 95.0009**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.4241, 53.0651, 95.0009.



This preview shows how white text looks on a background with the XYZ color 61.4241, 53.0651,

95.0009.

# 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

61.4241, 53.0651, 95.0009

### Protanopia

54.3600, 53.5956, 102.0876

### Deuteranopia

54.4462, 53.1781, 93.7810



## Tritanopia

54.8482, 53.1368, 62.0092

# Trichromacy



## Original Color

61.4241, 53.0651, 95.0009

## Protanomaly

56.6155, 53.2225, 99.3845

## Deuteranomaly

56.7485, 53.0875, 94.4447

## Tritanomaly

57.1894, 53.1729, 72.8948

# Monochromacy



## Original Color

61.4241, 53.0651, 95.0009

## Achromatopsia

53.0703, 55.8340, 60.8033

## Achromatomaly

55.8560, 54.7123, 71.9066

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.4241, 53.0651, 95.0009 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(218, 177, 247)` looks like.

```
.text, #text, p{  
    color:rgb(218, 177, 247)  
}
```

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(218, 177, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 177, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 61.4241, 53.0651, 95.0009 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(218, 177, 247) }
```



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

```
.border{ border-color:rgb(218, 177, 247) }
```

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

Here you see how a box with a 4 pixel rgb(218, 177, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 177, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 177, 247);  
box-shadow:4px 4px 4px 4px rgb(218, 177,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.4241, 53.0651, 95.0009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 177, 247) }
```

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

```
.background{ background-color: rgb(218,  
177, 247) }
```

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