

# Converting Colors

XYZ(63.6018, 61.2547, 92.4756)

Have a look what the booklet for  
XYZ(63.6018, 61.2547, 92.4756)  
contains.

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# Color

**XYZ(63.6018, 61.2547,  
92.4756)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D4C7F2
RGB	212, 199, 242
RGB Percent	83%, 78%, 95%
CMY	0.1686, 0.2196, 0.0510
CMYK	0.12, 0.18, 0.00, 0.05
HSL	258°, 62%, 86%
HSV	258°, 18%, 95%
XYZ	63.6018, 61.2547, 92.4756
YIQ	207.7890, -6.0550, 16.1290

# Conversions

## Conversions Part 2

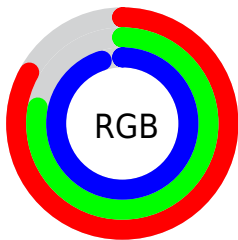
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 199, 242
Decimal	13944818
CIE Lab	82.52, 12.70, -19.55
CIE LCh	83, 23.311, 303.008
Yxy	61.2547, 0.2926, 0.2818
Android (android.graphics.Color)	4292134898 (0xFFD4C7F2)
YUV	207.7890, 16.8660, 3.6930
Hunter-Lab	78.2654, 8.0923, -15.2692

# Details

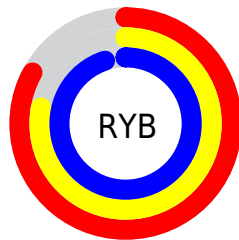
The XYZ color **63.6018, 61.2547, 92.4756** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **74.3762, 84.2874, 66.3848**, and the grayscale version is **59.7163, 62.8261, 68.4177**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.8930, 30.9641, 50.6974** is the 20% darker color. If you saturate the color by 10%, you get **53.8552, 48.6126, 90.5501**, and if you desaturate by 10%, it is **74.7466, 75.9352, 94.7228**.

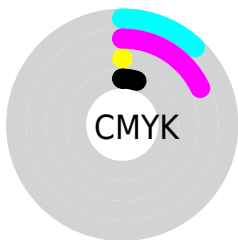
# Distribution



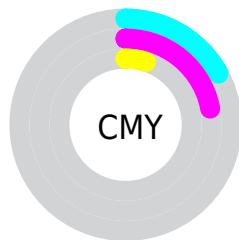
- Red (83%)
- Green (78%)
- Blue (95%)



- Red (83%)
- Yellow (78%)
- Blue (95%)



- Cyan (12%)
- Magenta (18%)
- Yellow (0%)
- Black (5%)



- Cyan (17%)
- Magenta (22%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6018, 61.2547, 92.4756 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 63.6018, 61.2547, 92.4756 by changing the saturation by 10% instead.



■ 63.6018, 61.2547,  
92.4756

■ 63.6018, 61.2547,  
92.4756

427.3753,  
429.2073, 556.8280

■ 46.5887, 44.4308,  
69.4505

109.1142,  
106.6476, 152.7378

■ 32.9172, 31.0093,  
50.6046

138.3442,  
135.9854, 190.8120

■ 22.2220, 20.6059,  
35.5195

172.3773,  
170.2633, 234.7396

■ 14.1376, 12.8363,  
23.7766

211.5787,  
209.8656, 284.9391

■ 8.2988, 7.3159,  
14.9573

256.3139,  
255.1767, 341.8292

■ 4.3401, 3.6604,  
8.6431

306.9481,

■ 1.8963, 1.4855,

306.5811, 405.8284

4.4155

363.8468,  
364.4632, 477.3551

■ 0.5747, 0.2785,  
1.8560

■ 0.0000, 0.0000,  
0.4645

■ 63.6018, 61.2547,  
92.4756

■ 63.6018, 61.2547,  
92.4756

■ 53.8552, 48.6126,  
90.5501

■ 74.7466, 75.9352,  
94.7228

■ 45.4438, 37.9095,  
88.9275

■ 87.3379, 92.7319,  
97.3013

■ 38.3080, 29.0495,  
87.5935

■ 93.0272, 99.1909,  
98.2481

■ 32.3814, 21.9249,  
86.5306

■ 27.5907, 16.4168,  
85.7200

■ 23.8543, 12.3907,  
85.1398

■ 21.0781, 9.6891,  
84.7646

■ 19.1403, 8.1028,  
84.5606

■ 18.7866, 7.8334,  
84.5272

# Harmonies

## Analogous

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



58.7254, 61.2547, 98.0480



63.6018, 61.2547, 92.4756



67.1893, 61.2547, 79.9514

# Triad

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



63.6018, 61.2547, 92.4756



62.6818, 61.2547, 45.0974



49.1610, 61.2547, 68.1474

# Complementary

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



63.6018, 61.2547, 92.4756



74.3762, 84.2874, 66.3848

# 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.



50.0881, 61.2547, 54.9931



63.6018, 61.2547, 92.4756



57.7190, 61.2547, 42.8603

# Square

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



63.6018, 61.2547, 92.4756



66.6372, 61.2547, 52.8274



53.1521, 61.2547, 46.2168



50.5446, 61.2547, 82.8013



# Rectangle

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



63.6018, 61.2547, 92.4756



68.2657, 61.2547, 70.0947



53.1521, 61.2547, 46.2168



49.2130, 61.2547, 63.4089

# Sweetspot

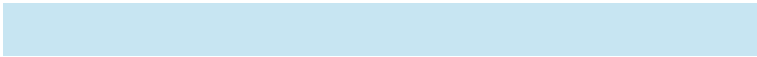
The Sweet Spot groups the original color and five complimentary colors.



63.6037, 61.2573, 92.4770



87.9192, 90.4849, 107.4392



67.6293, 74.6489, 94.8496



18.6110, 19.0917, 22.9541



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.



63.6037, 61.2573, 92.4770



67.8469, 64.0530, 103.3953



70.1874, 64.6513, 92.7851



15.3465, 15.4603, 19.8969



10.2129, 4.2704, 45.4139



0.9467, 0.4053, 3.7825



# Inverse Universe

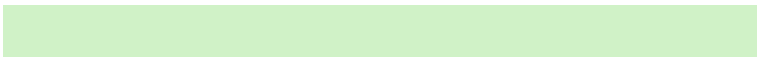
The Inverse Universe completely reimagines the original color for something new.



71.1863, 65.3839, 83.0000



77.7840, 69.4643, 90.8245



67.9631, 80.9813, 66.0846



16.2389, 15.9453, 18.8142



23.5743, 11.7022, 21.4728



2.0050, 0.9911, 2.0174



# Previews

## White Background



This preview shows how the XYZ color 63.6018, 61.2547, 92.4756 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 63.6018, 61.2547, 92.4756 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

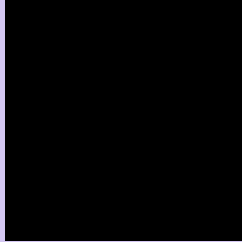
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 63.6018, 61.2547, 92.4756**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.6018, 61.2547, 92.4756.



This preview shows how white text looks on a background with the XYZ color 63.6018, 61.2547,



# 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

63.6018, 61.2547, 92.4756

### Protanopia

61.1003, 61.6486, 95.0652

### Deuteranopia

62.6937, 61.1293, 92.4992



## Tritanopia

60.1545, 61.2362, 75.6671

# Trichromacy



## Original Color

63.6018, 61.2547, 92.4756

## Protanomaly

61.8068, 61.3293, 94.1681

## Deuteranomaly

62.9758, 61.2747, 92.5124

## Tritanomaly

61.2802, 61.3424, 81.2835

# Monochromacy



## Original Color

63.6018, 61.2547, 92.4756

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

61.0441, 62.3853, 76.5343

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.6018, 61.2547, 92.4756 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(212, 199, 242)` looks like.

```
.text, #text, p{  
    color:rgb(212, 199, 242)  
}
```

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(212, 199, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 199, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 63.6018, 61.2547, 92.4756 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(212, 199, 242) }
```



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

```
.border{ border-color:rgb(212, 199, 242) }
```

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

Here you see how a box with a 4 pixel rgb(212, 199, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 199, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 199, 242);  
box-shadow:4px 4px 4px 4px rgb(212, 199,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.6018, 61.2547, 92.4756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 199, 242) }
```

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

```
.background{ background-color: rgb(212,  
199, 242) }
```

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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