

Converting Colors

XYZ(64.3968, 61.1253,
101.5029)

Have a look what the booklet for
XYZ(64.3968, 61.1253, 101.5029)
contains.

XYZ(64.5020, 61.1817, 101.3381)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.5020, 61.1817,
101.3381)**

Conversions

Conversions Part 1

Format	Color
Hex	D2C6FD
RGB	210, 198, 253
RGB Percent	82%, 78%, 99%
CMY	0.1765, 0.2235, 0.0078
CMYK	0.17, 0.22, 0.00, 0.01
HSL	253°, 93%, 88%
HSV	253°, 22%, 99%
XYZ	64.5020, 61.1817, 101.3381
YIQ	207.8580, -10.5030, 19.6490

Conversions

Conversions Part 2

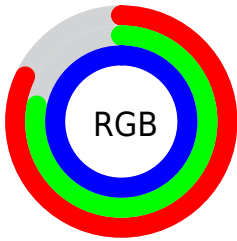
Format	Color
R _{YB}	210, 198, 253
Decimal	13813501
CIE _{Lab}	82.48, 14.92, -25.48
CIE _{LCh}	82, 29.530, 300.351
Y _{xy}	61.1817, 0.2841, 0.2695
Android (android.graphics.Color)	4292003581 (0xFFD2C6FD)
Y _{UV}	207.8580, 22.2550, 1.8785
Hunter-Lab	78.2187, 10.3148, -22.0614

Details

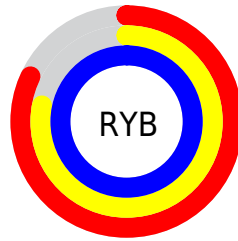
The XYZ color **64.5020, 61.1817, 101.3381** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.5961, 93.0301, 67.0850**, and the grayscale version is **59.7292, 62.8398, 68.4325**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.4546, 30.9006, 56.4257** is the 20% darker color. If you saturate the color by 10%, you get **53.9073, 47.8416, 99.3226**, and if you desaturate by 10%, it is **76.7626, 76.8175, 103.7109**.

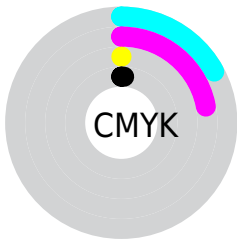
Distribution



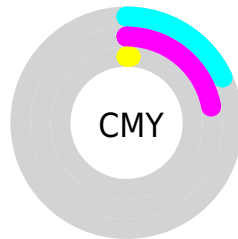
- Red (82%)
- Green (78%)
- Blue (99%)



- Red (82%)
- Yellow (78%)
- Blue (99%)



- Cyan (17%)
- Magenta (22%)
- Yellow (0%)
- Black (1%)



- Cyan (18%)
- Magenta (22%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5020, 61.1817, 101.3381 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 64.5020, 61.1817, 101.3381 by changing the saturation by 10% instead.

64.5020, 61.1817,
101.3381

64.5020, 61.1817,
101.3381

430.5738,
428.9399, 585.7576

47.3206, 44.3718,
76.7954

110.4033,
106.5420, 165.0627

33.4982, 30.9629,
56.5744

139.8539,
135.8612, 205.0817

22.6694, 20.5706,
40.2566

174.1249,
170.1189, 251.0966

14.4689, 12.8105,
27.4233

213.5816,
209.6996, 303.5258

8.5314, 7.2982,
17.6562

258.5896,
254.9877, 362.7880

4.4915, 3.6493,
10.5365

309.5140,

1.9838, 1.4794,

306.3675, 429.3017

5.6459

366.7203,
364.2234, 503.4853

■ 0.6248, 0.2741,
2.5657

■ 0.0000, 0.0000,
0.8747

■ 64.5020, 61.1817,
101.3381

■ 64.5020, 61.1817,
101.3381

■ 53.9073, 47.8416,
99.3226

■ 76.7626, 76.8175,
103.7109

■ 44.8995, 36.6806,
97.6431

■ 90.7518, 94.8429,
106.4528

■ 37.4016, 27.5834,
96.2823

94.7298, 99.8719,
107.2139

■ 31.3277, 20.4208,
95.2199

■ 26.5831, 15.0486,
94.4331

■ 23.0605, 11.3022,
93.8956

■ 20.6342, 8.9847,
93.5761

■ 19.3159, 7.9096,
93.4381

Harmonies

Analogous

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



58.2257, 61.1817, 107.7696



64.5020, 61.1817, 101.3381



69.3495, 61.1817, 85.3328

Triad

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



64.5020, 61.1817, 101.3381



64.3642, 61.1817, 40.7449



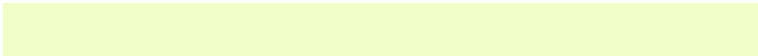
46.8397, 61.1817, 66.8295

Complementary

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



64.5020, 61.1817, 101.3381



81.5961, 93.0301, 67.0850

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.



48.2287, 61.1817, 50.8589



64.5020, 61.1817, 101.3381



58.0771, 61.1817, 37.5534

Square

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



64.5020, 61.1817, 101.3381



69.2660, 61.1817, 50.5516



52.2319, 61.1817, 40.8984



48.2943, 61.1817, 85.7683

Rectangle

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



64.5020, 61.1817, 101.3381



70.9556, 61.1817, 72.6140



52.2319, 61.1817, 40.8984



46.9883, 61.1817, 60.9586

Sweetspot

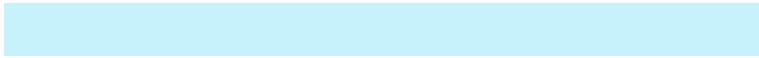
The Sweet Spot groups the original color and five complimentary colors.



64.5039, 61.1842, 101.3395



84.6683, 86.5838, 106.8576



72.5003, 82.0594, 104.9473



17.9398, 18.2972, 22.8361



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.



64.5039, 61.1842, 101.3395



60.8562, 56.2057, 102.2491



72.9900, 65.5590, 101.7366



17.3734, 17.5687, 22.7254



10.3750, 4.2590, 49.7098



1.0980, 0.4599, 4.8442

Inverse Universe

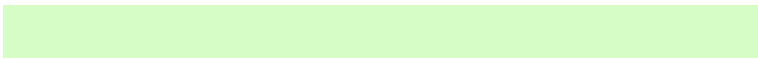
The Inverse Universe completely reimagines the original color for something new.



76.5813, 67.6243, 92.2385



75.1812, 63.8495, 91.2184



72.9304, 88.5628, 66.6794



18.6130, 18.2285, 21.8454



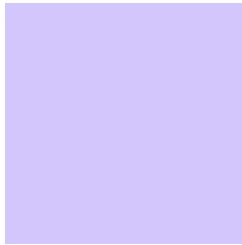
27.0159, 13.2957, 29.7980



2.6705, 1.3106, 3.1121

Previews

White Background



This preview shows how the XYZ color 64.5020, 61.1817, 101.3381 looks on a white background.

Color Contrast Check

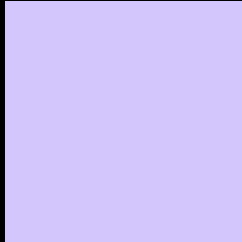
Large Text (above 18pt) WCAG AA × Fail

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 64.5020, 61.1817, 101.3381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

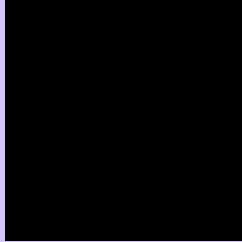
Any Text WCAG AA ✓ Pass

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 64.5020, 61.1817, 101.3381 Background



This preview shows how black text looks on a background with the XYZ color 64.5020, 61.1817, 101.3381.

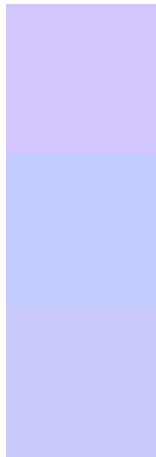


This preview shows how white text looks on a background with the XYZ color 64.5020, 61.1817,

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

64.5020, 61.1817, 101.3381

Protanopia

61.3983, 61.2693, 103.1979

Deuteranopia

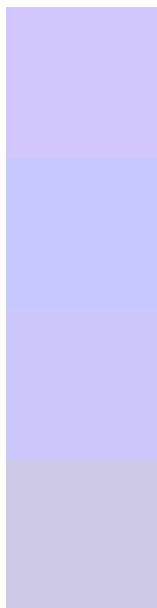
62.5447, 61.2191, 100.6155



Tritanopia

59.4130, 61.1904, 76.3897

Trichromacy



Original Color

64.5020, 61.1817, 101.3381

Protanomaly

62.3292, 61.0712, 102.2687

Deuteranomaly

63.1268, 61.1742, 100.5761

Tritanomaly

61.1396, 61.1891, 84.9322

Monochromacy



Original Color

64.5020, 61.1817, 101.3381

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

61.3419, 62.1229, 79.2789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5020, 61.1817, 101.3381 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(210, 198, 253)` looks like.

```
.text, #text, p{  
    color:rgb(210, 198, 253)  
}
```

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(210, 198, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 198, 253) }
```

Border

The CSS property to change the border of an element to XYZ 64.5020, 61.1817, 101.3381 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(210, 198, 253) }
```


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

```
.border{ border-color:rgb(210, 198, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 198, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 198, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 198, 253);  
box-shadow:4px 4px 4px 4px rgb(210, 198,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5020, 61.1817, 101.3381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 198, 253) }
```

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

```
.background{ background-color: rgb(210,  
198, 253) }
```

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