

Converting Colors

XYZ(87.9965, 61.5824,
229.3289)

Have a look what the booklet for
XYZ(87.9965, 61.5824, 229.3289)
contains.

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Color

**XYZ(63.6020, 51.7647,
101.2471)**

Conversions

Conversions Part 1

Format	Color
Hex	E2A9FF
RGB	226, 169, 255
RGB Percent	89%, 66%, 100%
CMY	0.1137, 0.3372, 0.0000
CMYK	0.11, 0.34, 0.00, 0.00
HSL	280°, 100%, 83%
HSV	280°, 34%, 100%
XYZ	63.6020, 51.7647, 101.2471
YIQ	195.8470, 6.3660, 38.8300

Conversions

Conversions Part 2

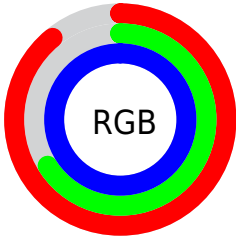
Format	Color
R _Y B	226, 169, 255
Decimal	14854655
CIE Lab	77.14, 35.87, -34.62
CIE LCh	77, 49.855, 316.012
Yxy	51.7647, 0.2936, 0.2390
Android (android.graphics.Color)	4293044735 (0xFFE2A9FF)
YUV	195.8470, 29.1624, 26.4442
Hunter-Lab	71.9477, 31.8861, -33.0714

Details

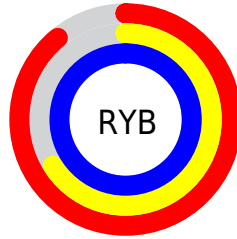
The XYZ color **63.6020, 51.7647, 101.2471** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **66.2113, 86.3909, 50.7239**, and the grayscale version is **52.2073, 54.9262, 59.8146**.

A 20% lighter version of the original color is **86.2152, 82.3304, 105.9551**, and **33.0160, 25.1140, 56.5334** is the 20% darker color. If you saturate the color by 10%, you get **56.6838, 41.8305, 99.6943**, and if you desaturate by 10%, it is **71.5836, 63.6230, 103.1153**.

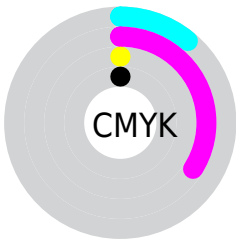
Distribution



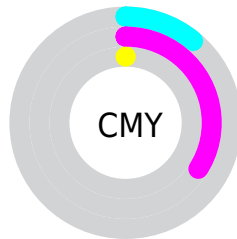
- Red (89%)
- Green (66%)
- Blue (100%)



- Red (89%)
- Yellow (66%)
- Blue (100%)



- Cyan (11%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6020, 51.7647, 101.2471 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 63.6020, 51.7647, 101.2471 by changing the saturation by 10% instead.

63.6020, 51.7647,
101.2471

63.6020, 51.7647,
101.2471

427.3760,
393.5275, 585.4644

46.5889, 36.8176,
76.7198

109.1145, 92.7841,
164.9367

32.9173, 25.0663,
56.5127

138.3446,
119.6252, 204.9361

22.2221, 16.1264,
40.2074

172.3777,
151.1997, 250.9299

14.1377, 9.6137,
27.3853

211.5792,
187.8920, 303.3367

8.2988, 5.1436,
17.6278

256.3144,
230.0866, 362.5750

4.3402, 2.3317,
10.5164

306.9487,

1.8963, 0.7904,

278.1678, 429.0634

5.6326

363.8474,
332.5200, 503.2203

■ 0.5747, 0.0000,
2.5579

■ 0.0000, 0.0000,
0.8706

■ 63.6020, 51.7647,
101.2471

■ 63.6020, 51.7647,
101.2471

■ 56.6838, 41.8305,
99.6943

■ 71.5836, 63.6230,
103.1153

■ 50.7683, 33.7049,
98.4376

■ 80.6755, 77.4991,
105.3145

■ 45.7956, 27.2698,
97.4577

■ 90.9272, 93.4884,
107.8604

■ 41.6964, 22.3902,
96.7318

95.0500, 100.0000,
108.9000

■ 38.3911, 18.9094,
96.2342

■ 35.7825, 16.6366,
95.9330

■ 34.4151, 15.6565,
95.8159

Harmonies

Analogous

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



54.4319, 51.7647, 123.3763



63.6020, 51.7647, 101.2471



69.2162, 51.7647, 70.0283

Triad

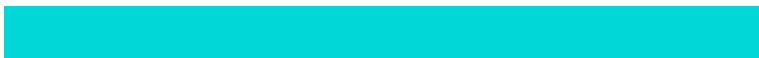
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.6020, 51.7647, 101.2471



53.7659, 51.7647, 19.2291



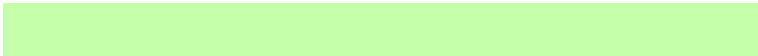
33.6016, 51.7647, 72.1181

Complementary

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



63.6020, 51.7647, 101.2471



66.2113, 86.3909, 50.7239

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.



33.4719, 51.7647, 44.6021



63.6020, 51.7647, 101.2471



44.3161, 51.7647, 19.4643

Square

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



63.6020, 51.7647, 101.2471



63.0604, 51.7647, 26.4022



37.1562, 51.7647, 27.2007



37.5370, 51.7647, 103.1964

Rectangle

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



63.6020, 51.7647, 101.2471



69.7736, 51.7647, 51.0420



37.1562, 51.7647, 27.2007



33.1305, 51.7647, 62.0415

Sweetspot

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



63.6036, 51.7668, 101.2475



84.3548, 83.2012, 106.2212



54.8604, 56.5499, 102.6315



17.7541, 17.3404, 22.6612



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.



63.6036, 51.7668, 101.2475



59.1400, 45.3127, 100.2370



71.4710, 56.0546, 91.1364



18.1628, 17.9757, 22.7623



18.1482, 8.2662, 50.0736



1.8836, 0.8649, 4.8809

Inverse Universe

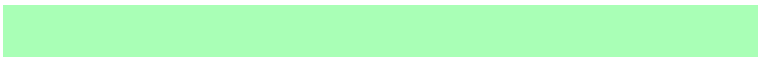
The Inverse Universe completely reimagines the original color for something new.



65.6222, 53.7150, 60.3370



61.6432, 47.6472, 53.1834



60.5568, 83.3290, 57.0964



18.2621, 18.0881, 19.9971



22.4882, 11.4846, 5.9554



2.2381, 1.1376, 0.8355

Previews

White Background



This preview shows how the XYZ color 63.6020, 51.7647, 101.2471 looks on a white background.

Color Contrast Check

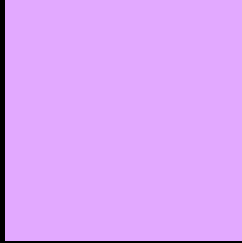
Large Text (above 18pt) WCAG AA × Fail

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 63.6020, 51.7647, 101.2471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

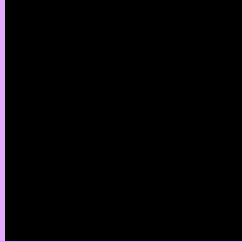
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.6020, 51.7647, 101.2471

Background



This preview shows how black text looks on a background with the XYZ color 63.6020, 51.7647, 101.2471.

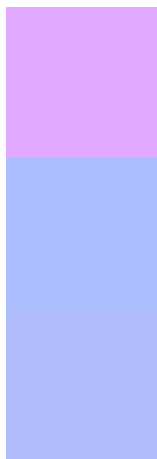


This preview shows how white text looks on a background with the XYZ color 63.6020, 51.7647,

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

63.6020, 51.7647, 101.2471

Protanopia

53.0422, 52.2731, 101.9018

Deuteranopia

53.3003, 52.1616, 98.5258



Tritanopia

54.9895, 51.7396, 58.7182

Trichromacy



Original Color

63.6020, 51.7647, 101.2471



Protanomaly

56.2638, 51.7523, 101.6315



Deuteranomaly

56.3427, 51.5454, 99.0751

Tritanomaly

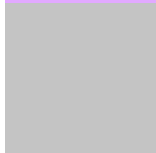
57.7617, 51.6697, 72.5745

Monochromacy



Original Color

63.6020, 51.7647, 101.2471



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

55.8154, 53.3930, 73.0097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6020, 51.7647, 101.2471 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(226, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 169, 255)  
}
```

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(226, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 169, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.6020, 51.7647, 101.2471 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(226, 169, 255) }
```


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

```
.border{ border-color:rgb(226, 169, 255) }
```

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

Here you see how a box with a 4 pixel rgb(226, 169, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 169,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6020, 51.7647, 101.2471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 169, 255) }
```

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

```
.background{ background-color: rgb(226,  
169, 255) }
```

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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