

Converting Colors

XYZ(89.4740, 72.0861,
238.0102)

Have a look what the booklet for
XYZ(89.4740, 72.0861, 238.0102)
contains.

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Color

**XYZ(63.8385, 61.8307,
103.1776)**

Conversions

Conversions Part 1

Format	Color
Hex	CCC9FF
RGB	204, 201, 255
RGB Percent	80%, 79%, 100%
CMY	0.2000, 0.2117, 0.0000
CMYK	0.20, 0.21, 0.00, 0.00
HSL	243°, 100%, 89%
HSV	243°, 21%, 100%
XYZ	63.8385, 61.8307, 103.1776
YIQ	208.0530, -15.5460, 17.4300

Conversions

Conversions Part 2

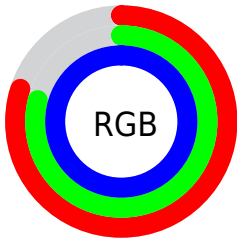
Format	Color
RYB	204, 201, 255
Decimal	13421055
CIELab	82.82, 11.91, -26.06
CIELCh	83, 28.653, 294.569
Yxy	61.8307, 0.2790, 0.2702
Android (android.graphics.Color)	4291611135 (0xFFCCC9FF)
YUV	208.0530, 23.1449, -3.5545
Hunter-Lab	78.6325, 7.3100, -22.7546

Details

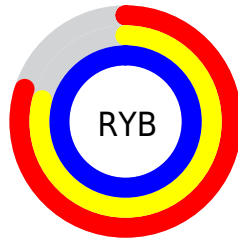
The XYZ color **63.8385, 61.8307, 103.1776** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.4487, 96.4330, 69.3182**, and the grayscale version is **59.8521, 62.9690, 68.5733**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.0212, 31.3342, 57.7338** is the 20% darker color. If you saturate the color by 10%, you get **52.2818, 47.7702, 101.0728**, and if you desaturate by 10%, it is **77.4062, 78.3957, 105.6599**.

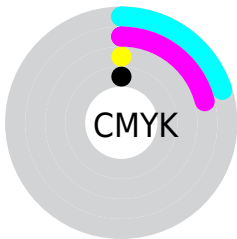
Distribution



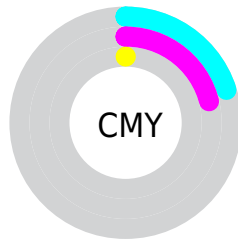
- Red (80%)
- Green (79%)
- Blue (100%)



- Red (80%)
- Yellow (79%)
- Blue (100%)



- Cyan (20%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8385, 61.8307, 103.1776 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 63.8385, 61.8307, 103.1776 by changing the saturation by 10% instead.

■ 63.8385, 61.8307,
103.1776

■ 63.8385, 61.8307,
103.1776

428.2177,
431.3133, 591.6665

■ 46.7811, 44.8959,
78.3253

109.4534,
107.4808, 167.6070

■ 33.0698, 31.3755,
57.8232

138.7415,
136.9649, 208.0211

■ 22.3394, 20.8849,
41.2528

172.8372,
171.4009, 254.4596

■ 14.2245, 13.0399,
28.1955

212.1060,
211.1732, 307.3410

■ 8.3597, 7.4560,
18.2327

256.9130,
256.6662, 367.0839

■ 4.3797, 3.7489,
10.9460

307.6237,

■ 1.9191, 1.5341,

308.2643, 434.1067

5.9168

364.6035,
366.3518, 508.8281

■ 0.5879, 0.3126,
2.7266

■ 0.0000, 0.0000,
0.9568

■ 63.8385, 61.8307,
103.1776

■ 63.8385, 61.8307,
103.1776

■ 52.2818, 47.7702,
101.0728

■ 77.4062, 78.3957,
105.6599

■ 42.6354, 36.0856,
99.3258

■ 93.0686, 97.5710,
108.5356

■ 34.7978, 26.6475,
97.9172

■ 95.0500, 100.0000,
108.9000

■ 28.6561, 19.3118,
96.8249

■ 24.0847, 13.9173,
96.0246

■ 20.9405, 10.2794,
95.4882

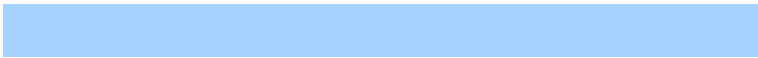
■ 19.0539, 8.1779,
95.1820

■ 18.2336, 7.3146,
95.0586

Harmonies

Analogous

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



57.6529, 61.8307, 107.1117



63.8385, 61.8307, 103.1776



68.9708, 61.8307, 88.9949

Triad

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



63.8385, 61.8307, 103.1776



65.9149, 61.8307, 43.2672



47.7350, 61.8307, 64.1595

Complementary

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



63.8385, 61.8307, 103.1776



86.4487, 96.4330, 69.3182

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.



49.6249, 61.8307, 49.4904



63.8385, 61.8307, 103.1776



59.8978, 61.8307, 38.8557

Square

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



63.8385, 61.8307, 103.1776



70.2272, 61.8307, 54.1653



53.9738, 61.8307, 40.9171



48.6289, 61.8307, 82.4558

Rectangle

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



63.8385, 61.8307, 103.1776



70.9575, 61.8307, 76.7706



53.9738, 61.8307, 40.9171



48.0615, 61.8307, 58.6844

Sweetspot

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



63.8403, 61.8331, 103.1780



85.2439, 87.9853, 107.0978



77.0434, 89.4477, 107.8122



18.0272, 18.5650, 22.8832



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.



63.8403, 61.8331, 103.1780



59.1868, 56.1649, 102.3292



71.7966, 65.9348, 103.5503



17.0963, 17.4259, 22.7124



9.5645, 3.8412, 49.6719



0.9626, 0.3902, 4.8378

Inverse Universe

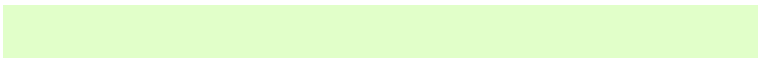
The Inverse Universe completely reimagines the original color for something new.



79.6987, 70.0638, 101.4200



77.4106, 65.6248, 100.2344



77.4489, 91.7935, 68.8970



18.7465, 18.2819, 22.5484



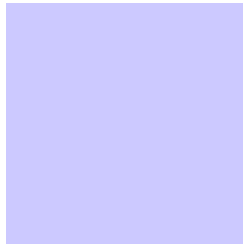
29.8514, 14.4299, 44.7294



2.9193, 1.4101, 4.4225

Previews

White Background



This preview shows how the XYZ color 63.8385, 61.8307, 103.1776 looks on a white background.

Color Contrast Check

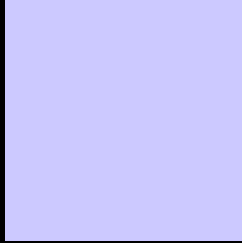
Large Text (above 18pt) WCAG AA × Fail

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 63.8385, 61.8307, 103.1776 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 63.8385, 61.8307, 103.1776

Background



This preview shows how black text looks on a background with the XYZ color 63.8385, 61.8307, 103.1776.



This preview shows how white text looks on a background with the XYZ color 63.8385, 61.8307,

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

63.8385, 61.8307, 103.1776

Protanopia

61.8910, 61.8751, 103.2888

Deuteranopia

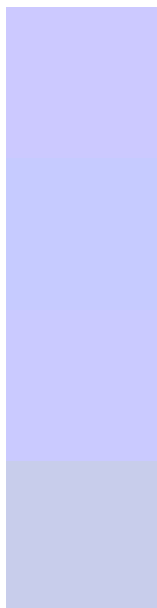
63.2579, 61.8786, 103.2174



Tritanopia

58.9208, 61.9591, 78.6659

Trichromacy



Original Color

63.8385, 61.8307, 103.1776

Protanomaly

62.6946, 61.9376, 103.2585

Deuteranomaly

63.5277, 62.0176, 103.2301

Tritanomaly

60.6461, 61.9402, 87.3565

Monochromacy



Original Color

63.8385, 61.8307, 103.1776

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

61.1541, 62.3643, 80.0485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8385, 61.8307, 103.1776 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(204, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 201, 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(204, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 201, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.8385, 61.8307, 103.1776 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(204, 201, 255) }
```


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

```
.border{ border-color:rgb(204, 201, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 201,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8385, 61.8307, 103.1776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 201, 255) }
```

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

```
.background{ background-color: rgb(204,  
201, 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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