

Converting Colors

XYZ(64.1968, 63.7801,
103.5298)

Have a look what the booklet for
XYZ(64.1968, 63.7801, 103.5298)
contains.

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Color

**XYZ(64.2087, 63.7801,
103.5344)**

Conversions

Conversions Part 1

Format	Color
Hex	C9CEFF
RGB	201, 206, 255
RGB Percent	79%, 81%, 100%
CMY	0.2118, 0.1921, 0.0000
CMYK	0.21, 0.19, 0.00, 0.00
HSL	234°, 100%, 89%
HSV	234°, 21%, 100%
XYZ	64.2087, 63.7801, 103.5344
YIQ	210.0910, -18.7090, 14.1790

Conversions

Conversions Part 2

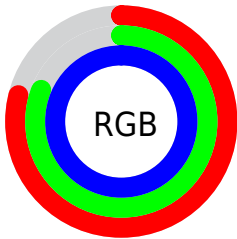
Format	Color
R _Y B	201, 206, 255
Decimal	13225727
CIE Lab	83.85, 8.33, -24.51
CIE LCh	84, 25.889, 288.765
Yxy	63.7801, 0.2773, 0.2755
Android (android.graphics.Color)	4291415807 (0xFFC9CEFF)
YUV	210.0910, 22.1401, -7.9728
Hunter-Lab	79.8624, 3.7531, -20.9604

Details

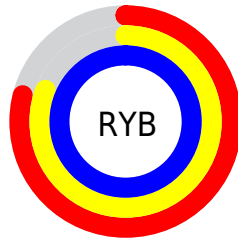
The XYZ color **64.2087, 63.7801, 103.5344** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.9681, 93.8475, 68.8435**, and the grayscale version is **61.1879, 64.3744, 70.1037**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.2753, 32.6447, 57.9733** is the 20% darker color. If you saturate the color by 10%, you get **52.7482, 50.2041, 101.5180**, and if you desaturate by 10%, it is **77.6307, 79.5876, 105.8781**.

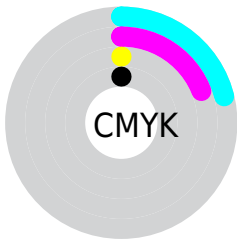
Distribution



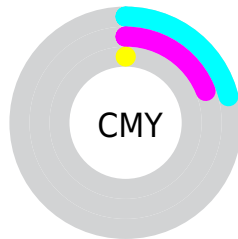
- Red (79%)
- Green (81%)
- Blue (100%)



- Red (79%)
- Yellow (81%)
- Blue (100%)



- Cyan (21%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2087, 63.7801, 103.5344 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 64.2087, 63.7801, 103.5344 by changing the saturation by 10% instead.

■ 64.2087, 63.7801,
103.5344

■ 64.2087, 63.7801,
103.5344

429.5332,
438.3951, 592.8090

■ 47.0820, 46.4726,
78.6223

109.9835,
110.2942, 168.0999

■ 33.3087, 32.6189,
58.0658

139.3624,
140.2695, 208.5904

■ 22.5234, 21.8347,
41.4465

173.5560,
175.2363, 255.1107

■ 14.3608, 13.7355,
28.3458

212.9297,
215.5789, 308.0794

■ 8.4554, 7.9369,
18.3452

257.8490,
261.6817, 367.9151

■ 4.4419, 4.0546,
11.0261

308.6791,

■ 1.9551, 1.7042,

313.9290, 435.0362

5.9700

365.7854,
372.7054, 509.8613

■ 0.6085, 0.4263,
2.7584

■ 0.0000, 0.0000,
0.9726

■ 64.2087, 63.7801,
103.5344

■ 64.2087, 63.7801,
103.5344

■ 52.7482, 50.2041,
101.5180

■ 77.6307, 79.5876,
105.8781

■ 43.1519, 38.7518,
99.8132

■ 93.0945, 97.7131,
108.5616

■ 35.3226, 29.3177,
98.4049

■ 95.0500, 100.0000,
108.9000

■ 29.1516, 21.7842,
97.2761

■ 24.5186, 16.0216,
96.4079

■ 21.2867, 11.8837,
95.7796

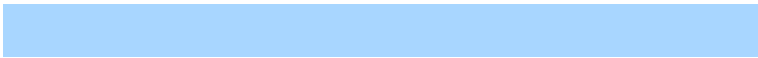
■ 19.2942, 9.2005,
95.3667

■ 18.3688, 7.8577,
95.1563

Harmonies

Analogous

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



58.5146, 63.7801, 104.9304



64.2087, 63.7801, 103.5344



69.2254, 63.7801, 92.2112

Triad

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



64.2087, 63.7801, 103.5344



68.1215, 63.7801, 48.4493



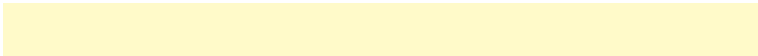
50.5119, 63.7801, 63.5187

Complementary

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



64.2087, 63.7801, 103.5344



85.9681, 93.8475, 68.8435

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.



52.7610, 63.7801, 50.7741



64.2087, 63.7801, 103.5344



62.7775, 63.7801, 43.0260

Square

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



64.2087, 63.7801, 103.5344



71.5802, 63.7801, 59.8470



57.1696, 63.7801, 43.8046



50.8418, 63.7801, 80.0195

Rectangle

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



64.2087, 63.7801, 103.5344



71.4002, 63.7801, 81.4224



57.1696, 63.7801, 43.8046



50.9854, 63.7801, 58.7051

Sweetspot

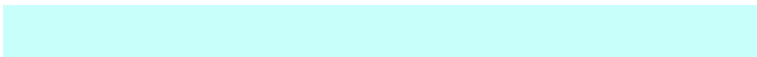
The Sweet Spot groups the original color and five complimentary colors.



64.2105, 63.7826, 103.5348



85.3734, 88.6728, 107.2236



77.0408, 90.8150, 103.5828



18.0577, 18.7268, 22.9128



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.



64.2105, 63.7826, 103.5348



59.6002, 58.3317, 102.7256



69.2461, 64.6194, 103.4309



17.1383, 17.6482, 22.7531



9.6432, 4.1960, 49.7362



0.9824, 0.4955, 4.8571

Inverse Universe

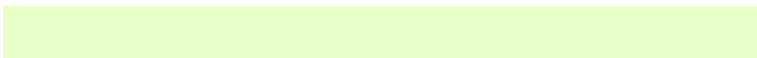
The Inverse Universe completely reimagines the original color for something new.



73.2684, 67.4911, 67.5607



70.0212, 62.6691, 61.3222



80.0383, 93.1284, 69.0172



18.0777, 18.0144, 19.0263



21.6556, 11.1516, 1.5712



2.1305, 1.0946, 0.2685

Previews

White Background



This preview shows how the XYZ color 64.2087, 63.7801, 103.5344 looks on a white background.

Color Contrast Check

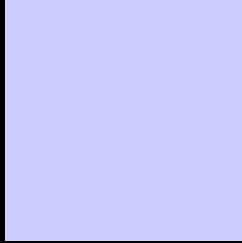
Large Text (above 18pt) WCAG AA × Fail

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 64.2087, 63.7801, 103.5344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

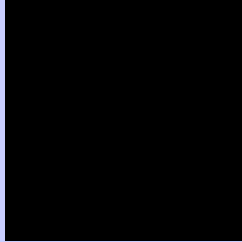
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.2087, 63.7801, 103.5344

Background



This preview shows how black text looks on a background with the XYZ color 64.2087, 63.7801, 103.5344.



This preview shows how white text looks on a background with the XYZ color 64.2087, 63.7801,

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

64.2087, 63.7801, 103.5344

Protanopia

63.6515, 63.8514, 103.5775

Deuteranopia

65.0965, 63.5275, 103.4388



Tritanopia

60.0628, 63.9257, 82.5720

Trichromacy



Original Color

64.2087, 63.7801, 103.5344

Protanomaly

63.9160, 63.9878, 103.5899

Deuteranomaly

64.7832, 63.7200, 103.4925

Tritanomaly

61.5218, 63.7797, 89.9571

Monochromacy



Original Color

64.2087, 63.7801, 103.5344

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

62.2601, 64.3573, 81.0923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2087, 63.7801, 103.5344 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(201, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 206, 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(201, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 206, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.2087, 63.7801, 103.5344 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(201, 206, 255) }
```


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

```
.border{ border-color:rgb(201, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 206,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2087, 63.7801, 103.5344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 206, 255) }
```

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

```
.background{ background-color: rgb(201,  
206, 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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