

Converting Colors

XYZ(64.7177, 65.1902,
103.7797)

Have a look what the booklet for
XYZ(64.7177, 65.1902, 103.7797)
contains.

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Color

**XYZ(64.6699, 65.1003,
103.7649)**

Conversions

Conversions Part 1

Format	Color
Hex	C8D1FF
RGB	200, 209, 255
RGB Percent	78%, 82%, 100%
CMY	0.2157, 0.1804, 0.0000
CMYK	0.22, 0.18, 0.00, 0.00
HSL	230°, 100%, 89%
HSV	230°, 22%, 100%
XYZ	64.6699, 65.1003, 103.7649
YIQ	211.5530, -20.1300, 12.3980

Conversions

Conversions Part 2

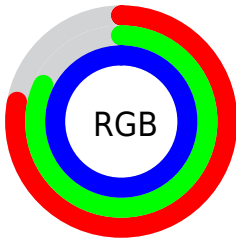
Format	Color
R _Y B	200, 208, 255
Decimal	13160959
CIE Lab	84.54, 6.43, -23.48
CIE LCh	85, 24.343, 285.308
Yxy	65.1003, 0.2769, 0.2788
Android (android.graphics.Color)	4291351039 (0xFFC8D1FF)
YUV	211.5530, 21.4194, -10.1320
Hunter-Lab	80.6848, 1.8718, -19.7708

Details

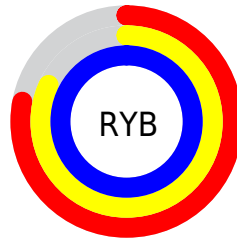
The XYZ color **64.6699, 65.1003, 103.7649** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.6210, 91.3409, 67.8159**, and the grayscale version is **62.1564, 65.3934, 71.2134**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.5914, 33.5396, 58.1294** is the 20% darker color. If you saturate the color by 10%, you get **53.5323, 52.1056, 101.8437**, and if you desaturate by 10%, it is **77.6473, 80.0864, 105.9735**.

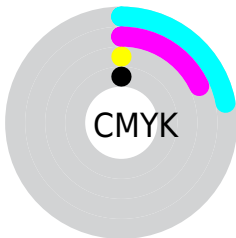
Distribution



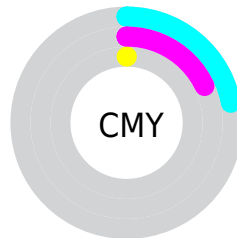
- Red (78%)
- Green (82%)
- Blue (100%)



- Red (78%)
- Yellow (82%)
- Blue (100%)



- Cyan (22%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6699, 65.1003, 103.7649 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 64.6699, 65.1003, 103.7649 by changing the saturation by 10% instead.

■ 64.6699, 65.1003,
103.7649

■ 64.6699, 65.1003,
103.7649

431.1688,
443.1523, 593.5465

■ 47.4572, 47.5424,
78.8141

110.6435,
112.1940, 168.4183

■ 33.6067, 33.4647,
58.2226

140.1351,
142.4987, 208.9580

■ 22.7531, 22.4826,
41.5717

174.4503,
177.8211, 255.5311

■ 14.5310, 14.2120,
28.4430

213.9545,
218.5455, 308.5562

■ 8.5750, 8.2682,
18.4179

259.0132,
265.0565, 368.4517

■ 4.5199, 4.2671,
11.0779

309.9915,

■ 2.0003, 1.8240,

317.7383, 435.6362

6.0044

367.2549,
376.9755, 510.5283

■ 0.6341, 0.5021,
2.7789

■ 0.0000, 0.0000,
0.9829

■ 64.6699, 65.1003,
103.7649

■ 64.6699, 65.1003,
103.7649

■ 53.5323, 52.1056,
101.8437

■ 77.6473, 80.0864,
105.9735

■ 44.1452, 41.0103,
100.1968

■ 92.5375, 97.1354,
108.4795

■ 36.4198, 31.7267,
98.8121

■ 95.0500, 100.0000,
108.9000

■ 30.2573, 24.1568,
97.6757

■ 25.5482, 18.1933,
96.7729

■ 22.1683, 13.7162,
96.0868

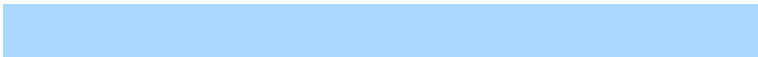
■ 19.9713, 10.5874,
95.5987

■ 18.8687, 8.8573,
95.3229

Harmonies

Analogous

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



59.2688, 65.1003, 103.8722



64.6699, 65.1003, 103.7649



69.5888, 65.1003, 94.0287

Triad

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



64.6699, 65.1003, 103.7649



69.5030, 65.1003, 51.7021



52.3275, 65.1003, 63.5758

Complementary

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



64.6699, 65.1003, 103.7649



84.6210, 91.3409, 67.8159

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.



54.7551, 65.1003, 51.8864



64.6699, 65.1003, 103.7649



64.5583, 65.1003, 45.7425

Square

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



64.6699, 65.1003, 103.7649



72.4882, 65.1003, 63.2875



59.1635, 65.1003, 45.8046



52.3534, 65.1003, 79.0634

Rectangle

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



64.6699, 65.1003, 103.7649



71.8417, 65.1003, 84.1044



59.1635, 65.1003, 45.8046



52.8771, 65.1003, 59.1256

Sweetspot

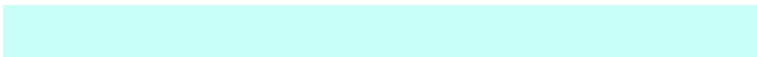
The Sweet Spot groups the original color and five complimentary colors.



64.6717, 65.1029, 103.7653



85.6964, 89.3187, 107.3313



76.1892, 90.4434, 100.4968



18.1338, 18.8789, 22.9382



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.



64.6717, 65.1029, 103.7653



59.5125, 59.1016, 102.8788



67.7188, 63.4871, 103.2928



17.2431, 17.8579, 22.7881



9.9294, 4.7684, 49.8316



1.0316, 0.5939, 4.8735

Inverse Universe

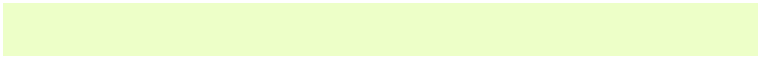
The Inverse Universe completely reimagines the original color for something new.



73.4041, 67.1736, 69.4214



69.7461, 61.6754, 62.5977



80.9998, 93.6376, 68.4501



18.1306, 18.0356, 19.3050



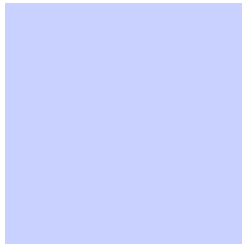
21.8001, 11.2093, 2.3319



2.1553, 1.1045, 0.3993

Previews

White Background



This preview shows how the XYZ color 64.6699, 65.1003, 103.7649 looks on a white background.

Color Contrast Check

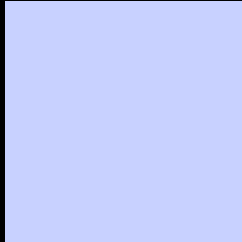
Large Text (above 18pt) WCAG AA × Fail

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 64.6699, 65.1003, 103.7649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

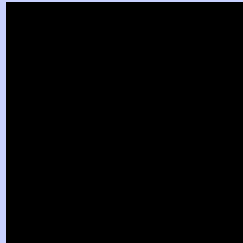
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.6699, 65.1003, 103.7649

Background



This preview shows how black text looks on a background with the XYZ color 64.6699, 65.1003, 103.7649.



This preview shows how white text looks on a background with the XYZ color 64.6699, 65.1003,

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

64.6699, 65.1003, 103.7649

Protanopia

64.9379, 65.2384, 103.7774

Deuteranopia

66.4158, 64.9179, 103.6377



Tritanopia

60.5829, 64.9038, 84.1975

Trichromacy



Original Color

64.6699, 65.1003, 103.7649

Protanomaly

64.9379, 65.2384, 103.7774

Deuteranomaly

65.8164, 64.9675, 103.6788

Tritanomaly

62.1494, 65.1893, 90.9685

Monochromacy



Original Color

64.6699, 65.1003, 103.7649

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

63.3103, 65.5999, 82.7240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6699, 65.1003, 103.7649 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(200, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 209, 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(200, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 209, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.6699, 65.1003, 103.7649 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(200, 209, 255) }
```


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

```
.border{ border-color:rgb(200, 209, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 209, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 209, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 209, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 209,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6699, 65.1003, 103.7649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 209, 255) }
```

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

```
.background{ background-color: rgb(200,  
209, 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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