

Converting Colors

XYZ(65.4001, 64.9540,
103.6982)

Have a look what the booklet for
XYZ(65.4001, 64.9540, 103.6982)
contains.

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Color

**XYZ(65.5077, 65.1691,
103.7340)**

Conversions

Conversions Part 1

Format	Color
Hex	CCD0FF
RGB	204, 208, 255
RGB Percent	80%, 82%, 100%
CMY	0.2000, 0.1843, 0.0000
CMYK	0.20, 0.18, 0.00, 0.00
HSL	235°, 100%, 90%
HSV	235°, 20%, 100%
XYZ	65.5077, 65.1691, 103.7340
YIQ	212.1620, -17.4710, 13.7690

Conversions

Conversions Part 2

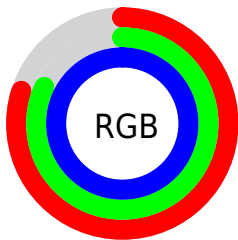
Format	Color
R_{YB}	204, 208, 255
Decimal	13422847
CIE Lab	84.57, 8.17, -23.40
CIE LCh	85, 24.782, 289.237
Yxy	65.1691, 0.2795, 0.2780
Android (android.graphics.Color)	4291612927 (0xFFCCD0FF)
YUV	212.1620, 21.1191, -7.1581
Hunter-Lab	80.7274, 3.5742, -19.6780

Details

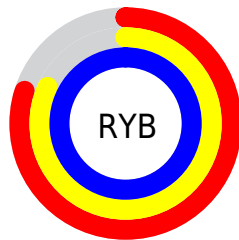
The XYZ color **65.5077, 65.1691, 103.7340** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.6360, 94.6130, 70.8244**, and the grayscale version is **62.5609, 65.8189, 71.6768**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.1431, 33.5780, 58.1077** is the 20% darker color. If you saturate the color by 10%, you get **53.7713, 51.2359, 101.6632**, and if you desaturate by 10%, it is **79.2408, 81.3949, 106.1421**.

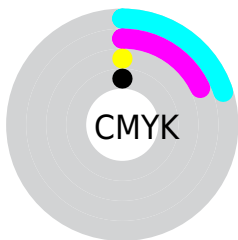
Distribution



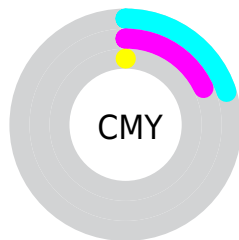
- Red (80%)
- Green (82%)
- Blue (100%)



- Red (80%)
- Yellow (82%)
- Blue (100%)



- Cyan (20%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.5077, 65.1691, 103.7340 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 65.5077, 65.1691, 103.7340 by changing the saturation by 10% instead.

■ 65.5077, 65.1691,
103.7340

■ 65.5077, 65.1691,
103.7340

434.1306,
443.3994, 593.4476

■ 48.1391, 47.5982,
78.7884

111.8411,
112.2929, 168.3756

■ 34.1488, 33.5088,
58.2016

141.5366,
142.6147, 208.9087

■ 23.1713, 22.5165,
41.5549

176.0718,
177.9555, 255.4748

■ 14.8415, 14.2369,
28.4300

215.8121,
218.6998, 308.4923

■ 8.7938, 8.2856,
18.4082

261.1227,
265.2319, 368.3798

■ 4.6630, 4.2783,
11.0710

312.3691,

■ 2.0836, 1.8304,

317.9363, 435.5558

5.9998

369.9166,
377.1973, 510.4389

■ 0.6803, 0.5060,
2.7762

■ 0.0000, 0.0000,
0.9815

■ 65.5077, 65.1691,
103.7340

■ 65.5077, 65.1691,
103.7340

■ 53.7713, 51.2359,
101.6632

■ 79.2408, 81.3949,
106.1421

■ 43.9334, 39.4845,
99.9135

95.0500, 100.0000,
108.9000

■ 35.8954, 29.8066,
98.4691

■ 29.5481, 22.0814,
97.3125

■ 24.7699, 16.1757,
96.4245

■ 21.4231, 11.9394,
95.7832

■ 19.3460, 9.1983,
95.3635

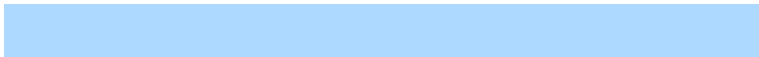
■ 18.3004, 7.7208,
95.1335

■ 18.3003, 7.7207,
95.1334

Harmonies

Analogous

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



59.9785, 65.1691, 105.2400



65.5077, 65.1691, 103.7340



70.3409, 65.1691, 92.7344

Triad

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



65.5077, 65.1691, 103.7340



69.1397, 65.1691, 50.3188



52.0801, 65.1691, 65.4267

Complementary

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



65.5077, 65.1691, 103.7340



86.6360, 94.6130, 70.8244

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.



54.2385, 65.1691, 52.8893



65.5077, 65.1691, 103.7340



63.9464, 65.1691, 45.0694

Square

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



65.5077, 65.1691, 103.7340



72.5225, 65.1691, 61.3987



58.5067, 65.1691, 45.9346



52.4429, 65.1691, 81.4615

Rectangle

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



65.5077, 65.1691, 103.7340



72.4150, 65.1691, 82.2992



58.5067, 65.1691, 45.9346



52.5295, 65.1691, 60.7098

Sweetspot

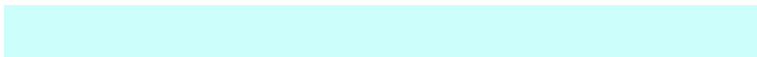
The Sweet Spot groups the original color and five complimentary colors.



65.5095, 65.1717, 103.7344



85.3093, 88.5446, 107.2023



78.0358, 91.3070, 104.5716



18.0426, 18.6966, 22.9078



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.



65.5095, 65.1717, 103.7344



60.5789, 59.3270, 102.8661



70.7733, 66.4550, 103.7047



17.1175, 17.6066, 22.7462



9.6024, 4.1145, 49.7226



0.9726, 0.4759, 4.8539

Inverse Universe

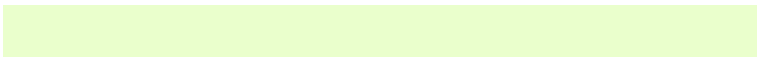
The Inverse Universe completely reimagines the original color for something new.



74.2192, 69.0013, 69.0842



70.7500, 63.8597, 62.3883



80.5094, 93.3301, 70.8997



18.0672, 18.0102, 18.9711



21.6351, 11.1433, 1.4628



2.1255, 1.0926, 0.2425

Previews

White Background



This preview shows how the XYZ color 65.5077, 65.1691, 103.7340 looks on a white background.

Color Contrast Check

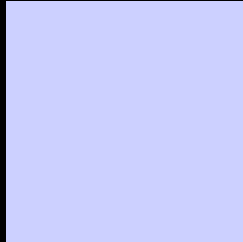
Large Text (above 18pt) WCAG AA × Fail

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 65.5077, 65.1691, 103.7340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

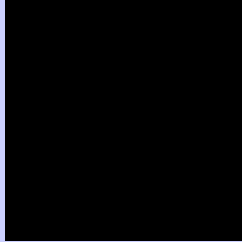
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.5077, 65.1691, 103.7340

Background



This preview shows how black text looks on a background with the XYZ color 65.5077, 65.1691, 103.7340.



This preview shows how white text looks on a background with the XYZ color 65.5077, 65.1691,

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

65.5077, 65.1691, 103.7340

Protanopia

64.9379, 65.2384, 103.7774

Deuteranopia

66.4158, 64.9179, 103.6377



Tritanopia

61.2395, 64.8862, 83.4254

Trichromacy



Original Color

65.5077, 65.1691, 103.7340

Protanomaly

65.2076, 65.3775, 103.7900

Deuteranomaly

66.0950, 65.1110, 103.6919

Tritanomaly

62.8143, 65.1791, 90.1591

Monochromacy



Original Color

65.5077, 65.1691, 103.7340

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

63.5924, 65.7453, 82.7372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.5077, 65.1691, 103.7340 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, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 208, 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, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 208, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.5077, 65.1691, 103.7340 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, 208, 255) }
```


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

```
.border{ border-color:rgb(204, 208, 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, 208, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 208, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 208, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 208,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.5077, 65.1691, 103.7340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 208, 255) }
```

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

```
.background{ background-color: rgb(204,  
208, 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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