

Converting Colors

XYZ(63.9229, 67.0135,
104.1735)

Have a look what the booklet for
XYZ(63.9229, 67.0135, 104.1735)
contains.

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Color

**XYZ(63.8363, 66.8972,
104.1557)**

Conversions

Conversions Part 1

Format	Color
Hex	BFD7FF
RGB	191, 215, 255
RGB Percent	75%, 84%, 100%
CMY	0.2510, 0.1568, 0.0000
CMYK	0.25, 0.16, 0.00, 0.00
HSL	217°, 100%, 87%
HSV	217°, 25%, 100%
XYZ	63.8363, 66.8972, 104.1557
YIQ	212.3840, -27.1440, 7.3520

Conversions

Conversions Part 2

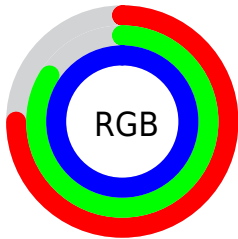
Format	Color
RYB	191, 208, 255
Decimal	12572671
CIELab	85.45, 0.58, -22.15
CIELCh	85, 22.153, 271.495
Yxy	66.8972, 0.2718, 0.2848
Android (android.graphics.Color)	4290762751 (0xFFBFD7FF)
YUV	212.3840, 21.0097, -18.7538
Hunter-Lab	81.7907, -3.8174, -18.2489

Details

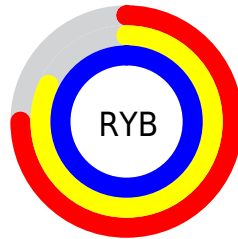
The XYZ color **63.8363, 66.8972, 104.1557** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.2200, 82.1730, 60.9777**, and the grayscale version is **62.7138, 65.9798, 71.8520**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **32.9172, 34.4531, 58.3413** is the 20% darker color. If you saturate the color by 10%, you get **54.1109, 56.1514, 102.5941**, and if you desaturate by 10%, it is **75.0772, 79.0144, 105.9021**.

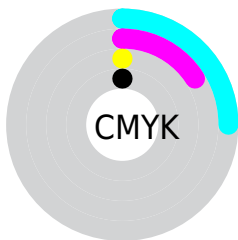
Distribution



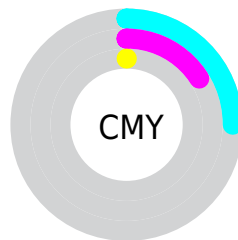
- Red (75%)
- Green (84%)
- Blue (100%)



- Red (75%)
- Yellow (82%)
- Blue (100%)



- Cyan (25%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8363, 66.8972, 104.1557 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 63.8363, 66.8972, 104.1557 by changing the saturation by 10% instead.

■ 63.8363, 66.8972,
104.1557

■ 63.8363, 66.8972,
104.1557

428.2098,
449.5788, 594.7957

■ 46.7793, 49.0011,
79.1395

■ 109.4502,
114.7731, 168.9579

■ 33.0684, 34.6203,
58.4885

138.7378,
145.5217, 209.5811

■ 22.3384, 23.3706,
41.7842

172.8330,
181.3232, 256.2436

■ 14.2237, 14.8674,
28.6081

212.1011,
222.5621, 309.3640

■ 8.3592, 8.7264,
18.5415

256.9074,
269.6226, 369.3609

■ 4.3794, 4.5631,
11.1660

307.6175,

■ 1.9189, 1.9933,

322.8894, 436.6528

6.0630

364.5965,
382.7466, 511.6582

■ 0.5878, 0.6036,
2.8140

■ 0.0000, 0.0000,
1.0005

■ 63.8363, 66.8972,
104.1557

■ 63.8363, 66.8972,
104.1557

■ 54.1109, 56.1514,
102.5941

■ 75.0772, 79.0144,
105.9021

■ 45.8263, 46.7167,
101.2097

■ 87.8923, 92.5444,
107.8382

■ 38.9094, 38.5399,
99.9959

95.0500, 100.0000,
108.9000

■ 33.2783, 31.5603,
98.9455

■ 28.8410, 25.7111,
98.0504

■ 25.4921, 20.9175,
97.3016

■ 23.1037, 17.0917,
96.6891

■ 22.1995, 15.5191,
96.4332

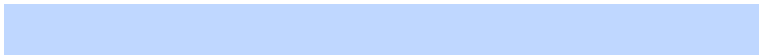
Harmonies

Analogous

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



59.0828, 66.8972, 99.9671



63.8363, 66.8972, 104.1557



68.7670, 66.8972, 99.0778

Triad

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



63.8363, 66.8972, 104.1557



72.1846, 66.8972, 59.3169



55.4643, 66.8972, 60.4145

Complementary

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



63.8363, 66.8972, 104.1557



79.2200, 82.1730, 60.9777

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.



58.6678, 66.8972, 51.6983



63.8363, 66.8972, 104.1557



68.3078, 66.8972, 51.1258

Square

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



63.8363, 66.8972, 104.1557



73.7413, 66.8972, 72.1198



63.3319, 66.8972, 48.5289



54.4047, 66.8972, 73.5643

Rectangle

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



63.8363, 66.8972, 104.1557



71.4496, 66.8972, 91.4638



63.3319, 66.8972, 48.5289



56.3175, 66.8972, 56.9327

Sweetspot

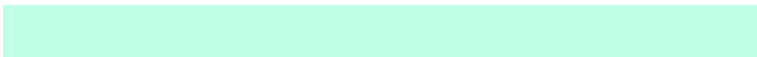
The Sweet Spot groups the original color and five complimentary colors.



63.8382, 66.8998, 104.1561



84.0058, 88.4678, 107.2561



71.5954, 88.3363, 88.4850



17.5611, 18.4939, 22.8940



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.



63.8382, 66.8998, 104.1561



58.8840, 61.4621, 103.3676



60.0942, 56.5527, 102.3562



17.5611, 18.4939, 22.8940



11.7312, 8.3719, 50.4322



1.2431, 1.0168, 4.9440

Inverse Universe

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



72.1378, 63.4295, 72.7339



68.5458, 57.8144, 66.7000



83.7106, 95.1531, 63.2464



18.2911, 18.0998, 20.1502



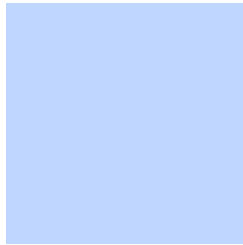
22.7095, 11.5731, 7.1209



2.2620, 1.1472, 0.9614

Previews

White Background



This preview shows how the XYZ color 63.8363, 66.8972, 104.1557 looks on a white background.

Color Contrast Check

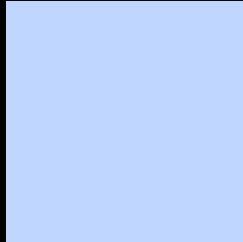
Large Text (above 18pt) WCAG AA × Fail

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 63.8363, 66.8972, 104.1557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

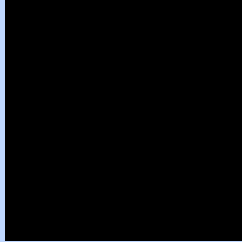
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

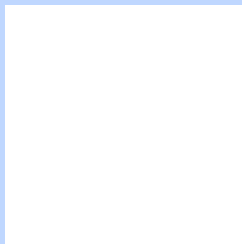
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.8363, 66.8972, 104.1557

Background



This preview shows how black text looks on a background with the XYZ color 63.8363, 66.8972, 104.1557.



This preview shows how white text looks on a background with the XYZ color 63.8363, 66.8972,

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

63.8363, 66.8972, 104.1557

Protanopia

66.2007, 66.6595, 102.3059

Deuteranopia

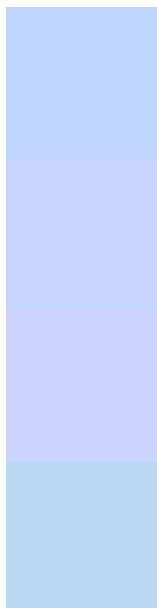
68.2910, 66.9671, 103.9344



Tritanopia

60.7052, 66.7637, 89.0441

Trichromacy



Original Color

63.8363, 66.8972, 104.1557

Protanomaly

65.2523, 66.5221, 103.1668

Deuteranomaly

66.5211, 66.7877, 103.9930

Tritanomaly

61.7296, 66.7881, 94.4319

Monochromacy



Original Color

63.8363, 66.8972, 104.1557

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

62.6997, 66.0273, 82.8387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8363, 66.8972, 104.1557 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(191, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 215, 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(191, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 215, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.8363, 66.8972, 104.1557 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(191, 215, 255) }
```


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

```
.border{ border-color:rgb(191, 215, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 215,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8363, 66.8972, 104.1557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 215, 255) }
```

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

```
.background{ background-color: rgb(191,  
215, 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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