

Converting Colors

XYZ(65.1335, 68.4736,
109.8382)

Have a look what the booklet for
XYZ(65.1335, 68.4736, 109.8382)
contains.

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Color

**XYZ(64.1077, 68.1816,
104.3893)**

Conversions

Conversions Part 1

Format	Color
Hex	BDDAFF
RGB	189, 218, 255
RGB Percent	74%, 85%, 100%
CMY	0.2588, 0.1451, 0.0000
CMYK	0.26, 0.15, 0.00, 0.00
HSL	214°, 100%, 87%
HSV	214°, 26%, 100%
XYZ	64.1077, 68.1816, 104.3893
YIQ	213.5470, -29.1610, 5.3590

Conversions

Conversions Part 2

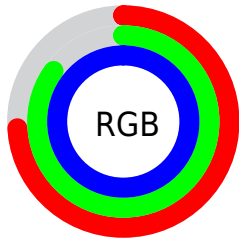
Format	Color
RYB	189, 209, 255
Decimal	12442367
CIELab	86.10, -1.58, -21.18
CIELCh	86, 21.239, 265.725
Yxy	68.1816, 0.2709, 0.2881
Android (android.graphics.Color)	4290632447 (0xFFBDDAFF)
YUV	213.5470, 20.4363, -21.5277
Hunter-Lab	82.5722, -5.9167, -17.1551

Details

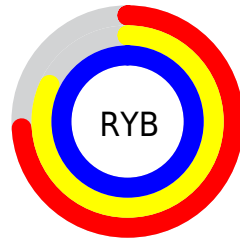
The XYZ color **64.1077, 68.1816, 104.3893** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.6218, 79.3265, 59.3665**, and the grayscale version is **63.4951, 66.8018, 72.7471**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **33.1218, 35.3399, 58.5017** is the 20% darker color. If you saturate the color by 10%, you get **54.7815, 58.1076, 102.9363**, and if you desaturate by 10%, it is **74.8695, 79.4736, 106.0016**.

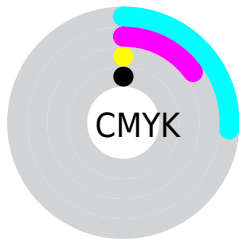
Distribution



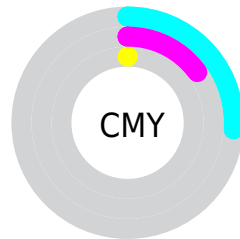
- Red (74%)
- Green (85%)
- Blue (100%)



- Red (74%)
- Yellow (82%)
- Blue (100%)



- Cyan (26%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1077, 68.1816, 104.3893 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 64.1077, 68.1816, 104.3893 by changing the saturation by 10% instead.

■ 64.1077, 68.1816,
104.3893

■ 64.1077, 68.1816,
104.3893

429.1745,
454.1392, 595.5418

■ 46.9999, 50.0455,
79.3340

■ 109.8389,
116.6119, 169.2804

■ 33.2435, 35.4495,
58.6475

139.1930,
147.6749, 209.9533

■ 22.4732, 24.0094,
41.9113

173.3600,
183.8156, 256.6692

■ 14.3236, 15.3406,
28.7068

212.7051,
225.4185, 309.8466

■ 8.4293, 9.0588,
18.6155

257.5938,
272.8678, 369.9040

■ 4.4249, 4.7795,
11.2188

308.3913,

■ 1.9452, 2.1185,

326.5482, 437.2599

6.0982

365.4631,
386.8438, 512.3331

■ 0.6029, 0.6750,
2.8351

■ 0.0000, 0.0000,
1.0111

■ 64.1077, 68.1816,
104.3893

■ 64.1077, 68.1816,
104.3893

■ 54.7815, 58.1076,
102.9363

■ 74.8695, 79.4736,
106.0016

■ 46.8188, 49.1976,
101.6362

■ 87.1229, 92.0189,
107.7773

■ 40.1498, 41.4048,
100.4835

95.0500, 100.0000,
108.9000

■ 34.6953, 34.6754,
99.4721

■ 30.3666, 28.9502,
98.5952

■ 27.0611, 24.1620,
97.8452

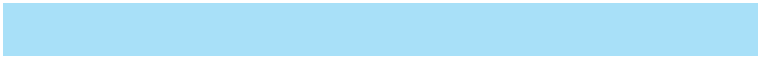
■ 24.6532, 20.2311,
97.2134

■ 23.8502, 18.8204,
96.9834

Harmonies

Analogous

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



59.6628, 68.1816, 98.7316



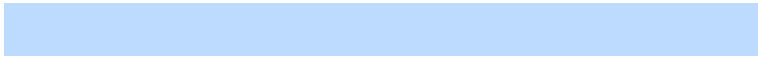
64.1077, 68.1816, 104.3893



68.9633, 68.1816, 101.1738

Triad

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



64.1077, 68.1816, 104.3893



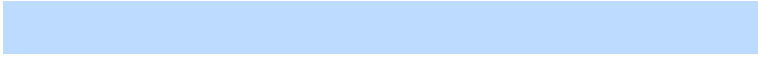
73.6304, 68.1816, 63.1743



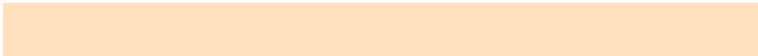
57.3561, 68.1816, 60.1098

Complementary

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



64.1077, 68.1816, 104.3893



77.6218, 79.3265, 59.3665

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.



60.8165, 68.1816, 52.5655



64.1077, 68.1816, 104.3893



70.2336, 68.1816, 54.1728

Square

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



64.1077, 68.1816, 104.3893



74.6190, 68.1816, 76.2592



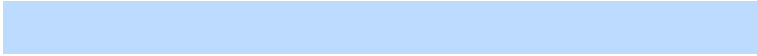
65.5065, 68.1816, 50.5357



55.8908, 68.1816, 72.2532

Rectangle

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



64.1077, 68.1816, 104.3893



71.7577, 68.1816, 94.6221



65.5065, 68.1816, 50.5357



58.3158, 68.1816, 57.0145

Sweetspot

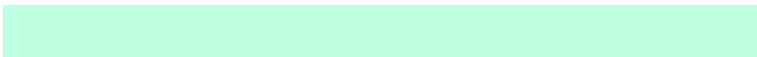
The Sweet Spot groups the original color and five complimentary colors.



64.1096, 68.1842, 104.3897



84.3988, 89.2537, 107.3871



70.3789, 87.7920, 84.6862



17.6598, 18.6912, 22.9269



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.



64.1096, 68.1842, 104.3897



59.1597, 62.8774, 103.6262



58.0634, 54.8627, 102.1370



17.6598, 18.6912, 22.9269



12.6050, 10.1196, 50.7235



1.3339, 1.1985, 4.9743

Inverse Universe

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



72.0938, 62.7188, 74.6388



68.4742, 56.9785, 68.8114



84.9821, 95.8338, 62.1648



18.3409, 18.1197, 20.4125



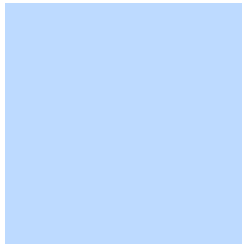
23.1506, 11.7495, 9.4436



2.3079, 1.1655, 1.2028

Previews

White Background



This preview shows how the XYZ color 64.1077, 68.1816, 104.3893 looks on a white background.

Color Contrast Check

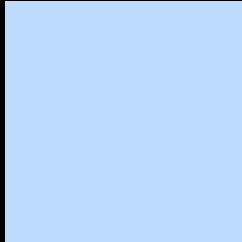
Large Text (above 18pt) WCAG AA × Fail

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 64.1077, 68.1816, 104.3893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

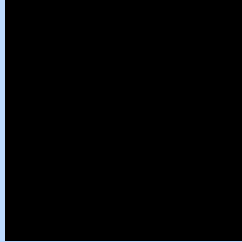
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

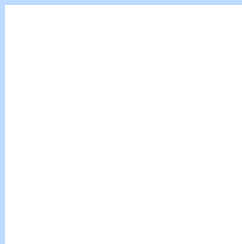
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.1077, 68.1816, 104.3893

Background



This preview shows how black text looks on a background with the XYZ color 64.1077, 68.1816, 104.3893.



This preview shows how white text looks on a background with the XYZ color 64.1077, 68.1816,

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

64.1077, 68.1816, 104.3893

Protanopia

67.3774, 68.0267, 101.6748

Deuteranopia

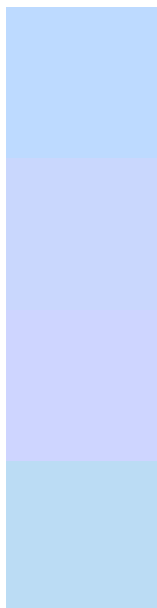
69.1209, 67.7603, 104.0437



Tritanopia

61.5388, 68.3251, 90.8335

Trichromacy



Original Color

64.1077, 68.1816, 104.3893

Protanomaly

66.1175, 68.1102, 102.5903

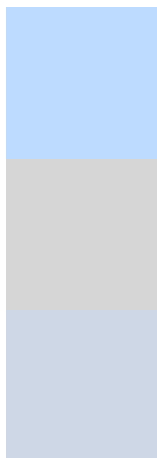
Deuteranomaly

67.2978, 67.9303, 104.1726

Tritanomaly

62.4159, 68.2828, 95.4782

Monochromacy



Original Color

64.1077, 68.1816, 104.3893

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.6201, 67.2372, 83.7537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1077, 68.1816, 104.3893 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(189, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 218, 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(189, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 218, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.1077, 68.1816, 104.3893 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(189, 218, 255) }
```


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

```
.border{ border-color:rgb(189, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 218,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1077, 68.1816, 104.3893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 218, 255) }
```

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

```
.background{ background-color: rgb(189,  
218, 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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