

Converting Colors

XYZ(63.8395, 68.6846,
104.5005)

Have a look what the booklet for
XYZ(63.8395, 68.6846, 104.5005)
contains.

XYZ(63.8929, 68.8455, 104.5287)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.8929, 68.8455,
104.5287)**

Conversions

Conversions Part 1

Format	Color
Hex	BADCFF
RGB	186, 220, 255
RGB Percent	73%, 86%, 100%
CMY	0.2706, 0.1372, 0.0000
CMYK	0.27, 0.14, 0.00, 0.00
HSL	210°, 100%, 86%
HSV	210°, 27%, 100%
XYZ	63.8929, 68.8455, 104.5287
YIQ	213.8240, -31.4990, 3.6770

Conversions

Conversions Part 2

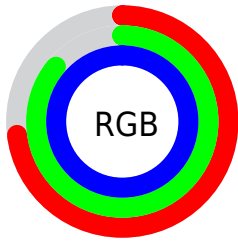
Format	Color
R _Y B	186, 209, 255
Decimal	12246271
CIE Lab	86.43, -3.50, -20.70
CIE LCh	86, 20.992, 260.410
Yxy	68.8455, 0.2693, 0.2902
Android (android.graphics.Color)	4290436351 (0xFFBADCF)
YUV	213.8240, 20.2998, -24.4016
Hunter-Lab	82.9732, -7.7505, -16.6117

Details

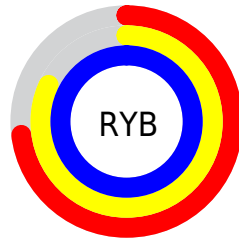
The XYZ color **63.8929, 68.8455, 104.5287** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **75.9595, 76.5177, 57.2221**, and the grayscale version is **63.6829, 66.9994, 72.9623**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **33.0082, 35.8128, 58.5989** is the 20% darker color. If you saturate the color by 10%, you get **54.9779, 59.4054, 103.1765**, and if you desaturate by 10%, it is **74.1798, 79.3861, 106.0211**.

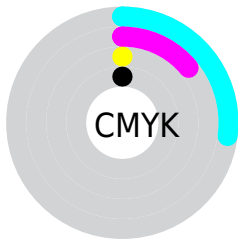
Distribution



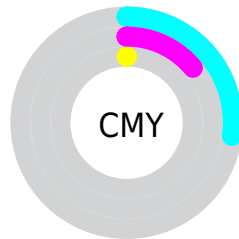
- Red (73%)
- Green (86%)
- Blue (100%)



- Red (73%)
- Yellow (82%)
- Blue (100%)



- Cyan (27%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8929, 68.8455, 104.5287 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 63.8929, 68.8455, 104.5287 by changing the saturation by 10% instead.

■ 63.8929, 68.8455,
104.5287

■ 63.8929, 68.8455,
104.5287

428.4111,
456.4859, 595.9868

■ 46.8253, 50.5859,
79.4501

■ 109.5313,
117.5609, 169.4728

■ 33.1049, 35.8792,
58.7425

138.8328,
148.7854, 210.1754

■ 22.3665, 24.3409,
41.9872

172.9429,
185.1004, 256.9231

■ 14.2445, 15.5867,
28.7658

212.2271,
226.8903, 310.1344

■ 8.3738, 9.2322,
18.6596

257.0506,
274.5393, 370.2279

■ 4.3888, 4.8929,
11.2503

307.7789,

■ 1.9244, 2.1846,

328.4320, 437.6221

6.1192

364.7773,
388.9527, 512.7356

■ 0.5909, 0.7116,
2.8477

■ 0.0000, 0.0000,
1.0174

■ 63.8929, 68.8455,
104.5287

■ 63.8929, 68.8455,
104.5287

■ 54.9779, 59.4054,
103.1765

■ 74.1798, 79.3861,
106.0211

■ 47.3644, 51.0156,
101.9584

■ 85.8930, 91.0587,
107.6568

■ 40.9839, 43.6335,
100.8698

95.0500, 100.0000,
108.9000

■ 35.7588, 37.2097,
99.9052

■ 31.6015, 31.6891,
99.0588

■ 28.4101, 27.0091,
98.3236

■ 26.0559, 23.0924,
97.6917

■ 25.4677, 22.0554,
97.5226

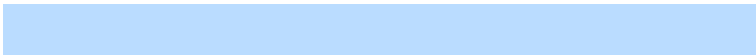
Harmonies

Analogous

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



59.6657, 68.8455, 97.5054



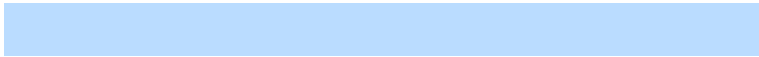
63.8929, 68.8455, 104.5287



68.7449, 68.8455, 102.9088

Triad

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



63.8929, 68.8455, 104.5287



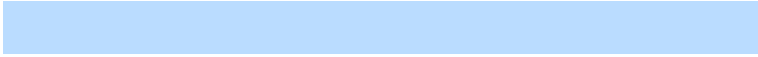
74.5790, 68.8455, 66.0200



58.5031, 68.8455, 59.1834

Complementary

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



63.8929, 68.8455, 104.5287



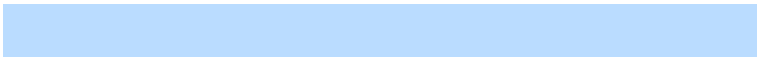
75.9595, 76.5177, 57.2221

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.



62.2342, 68.8455, 52.5954



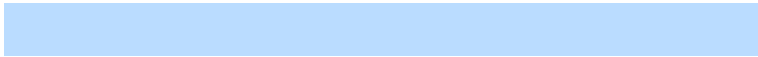
63.8929, 68.8455, 104.5287



71.5660, 68.8455, 56.1906

Square

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



63.8929, 68.8455, 104.5287



75.0771, 68.8455, 79.5031



67.0029, 68.8455, 51.5720



56.6570, 68.8455, 70.5953

Rectangle

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



63.8929, 68.8455, 104.5287



71.6746, 68.8455, 97.2126



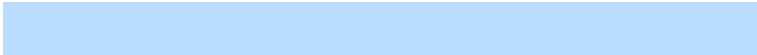
67.0029, 68.8455, 51.5720



59.5695, 68.8455, 56.3938

Sweetspot

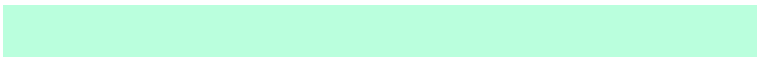
The Sweet Spot groups the original color and five complimentary colors.



63.8948, 68.8482, 104.5291



84.7265, 89.9092, 107.4964



68.9953, 87.1534, 81.2449



17.7422, 18.8561, 22.9544



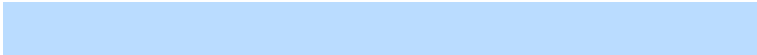
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.8948, 68.8482, 104.5291



59.3206, 64.0468, 103.8435



55.8601, 52.7787, 101.8509



17.7422, 18.8561, 22.9544



13.4562, 11.8219, 51.0072



1.4192, 1.3691, 5.0027

Inverse Universe

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



71.7184, 61.5467, 75.8129



68.3485, 56.1360, 70.5917



85.8633, 96.3253, 60.5234



18.3825, 18.1363, 20.6316



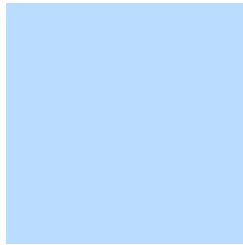
23.5802, 11.9214, 11.7060



2.3510, 1.1828, 1.4296

Previews

White Background



This preview shows how the XYZ color 63.8929, 68.8455, 104.5287 looks on a white background.

Color Contrast Check

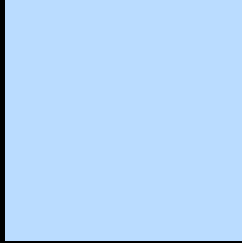
Large Text (above 18pt) WCAG AA × Fail

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 63.8929, 68.8455, 104.5287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

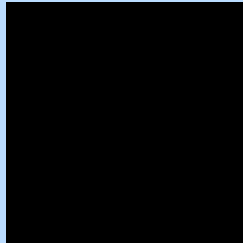
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

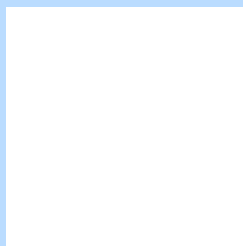
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.8929, 68.8455, 104.5287

Background



This preview shows how black text looks on a background with the XYZ color 63.8929, 68.8455, 104.5287.



This preview shows how white text looks on a background with the XYZ color 63.8929, 68.8455,

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

63.8929, 68.8455, 104.5287

Protanopia

67.7536, 68.6135, 100.9395

Deuteranopia

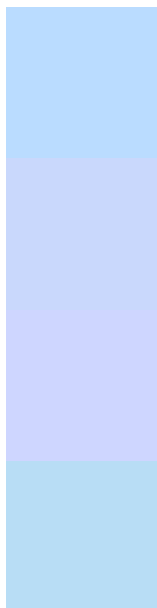
69.9595, 68.5602, 104.1539



Tritanopia

61.3779, 68.6011, 92.4445

Trichromacy



Original Color

63.8929, 68.8455, 104.5287

Protanomaly

66.2139, 68.5575, 101.8385

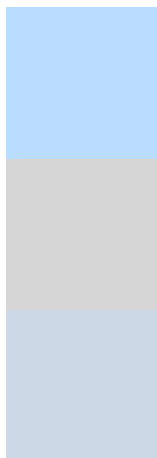
Deuteranomaly

67.5502, 68.4349, 104.2567

Tritanomaly

62.1050, 68.4958, 96.3339

Monochromacy



Original Color

63.8929, 68.8455, 104.5287

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.6006, 67.6062, 83.8259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8929, 68.8455, 104.5287 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(186, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 220, 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(186, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 220, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.8929, 68.8455, 104.5287 is called "border". The border property can be set on classes, ids or directly on the HTML element.

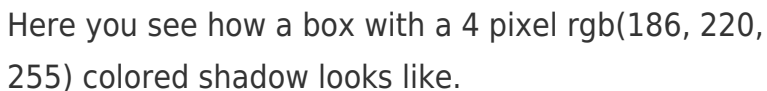
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 220, 255) }
```


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

```
.border{ border-color:rgb(186, 220, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 220, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 220, 255); box-shadow:4px 4px 4px 4px rgb(186, 220, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8929, 68.8455, 104.5287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 220, 255) }
```

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

```
.background{ background-color: rgb(186,  
220, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor