

Converting Colors

XYZ(77.6082, 74.4715,
171.9475)

Have a look what the booklet for
XYZ(77.6082, 74.4715, 171.9475)
contains.

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Color

**XYZ(64.8784, 69.3535,
104.5749)**

Conversions

Conversions Part 1

Format	Color
Hex	BEDCFF
RGB	190, 220, 255
RGB Percent	75%, 86%, 100%
CMY	0.2549, 0.1372, 0.0000
CMYK	0.25, 0.14, 0.00, 0.00
HSL	212°, 100%, 87%
HSV	212°, 25%, 100%
XYZ	64.8784, 69.3535, 104.5749
YIQ	215.0200, -29.1150, 4.5250

Conversions

Conversions Part 2

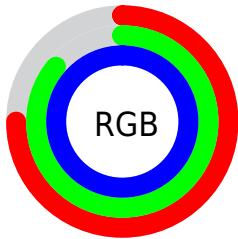
Format	Color
R _Y B	190, 211, 255
Decimal	12508415
CIE Lab	86.68, -2.34, -20.29
CIE LCh	87, 20.429, 263.423
Yxy	69.3535, 0.2717, 0.2904
Android (android.graphics.Color)	4290698495 (0xFFBEDCFF)
YUV	215.0200, 19.7101, -21.9425
Hunter-Lab	83.2787, -6.6772, -16.1566

Details

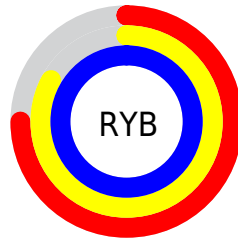
The XYZ color **64.8784, 69.3535, 104.5749** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.4595, 78.8277, 59.8497**, and the grayscale version is **64.4914, 67.8499, 73.8886**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **33.6398, 36.1384, 58.6285** is the 20% darker color. If you saturate the color by 10%, you get **55.6013, 59.4410, 103.1505**, and if you desaturate by 10%, it is **75.5695, 80.4377, 106.1508**.

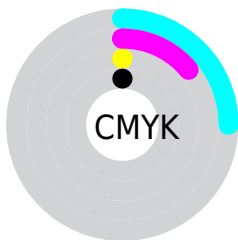
Distribution



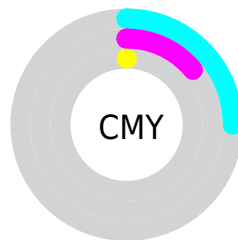
- Red (75%)
- Green (86%)
- Blue (100%)



- Red (75%)
- Yellow (83%)
- Blue (100%)



- Cyan (25%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8784, 69.3535, 104.5749 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 64.8784, 69.3535, 104.5749 by changing the saturation by 10% instead.

■ 64.8784, 69.3535,
104.5749

■ 64.8784, 69.3535,
104.5749

431.9070,
458.2768, 596.1342

■ 47.6268, 50.9997,
79.4886

■ 110.9417,
118.2863, 169.5366

■ 33.7415, 36.2083,
58.7739

140.4841,
149.6341, 210.2490

■ 22.8570, 24.5951,
42.0123

174.8542,
186.0820, 257.0072

■ 14.6081, 15.7757,
28.7853

214.4173,
228.0144, 310.2298

■ 8.6293, 9.3656,
18.6743

259.5388,
275.8157, 370.3353

■ 4.5554, 4.9804,
11.2607

310.5840,

■ 2.0209, 2.2358,

329.8702, 437.7421

6.1261

367.9183,
390.5624, 512.8689

■ 0.6456, 0.7394,
2.8519

■ 0.0000, 0.0000,
1.0195

■ 64.8784, 69.3535,
104.5749

■ 64.8784, 69.3535,
104.5749

■ 55.6013, 59.4410,
103.1505

■ 75.5695, 80.4377,
106.1508

■ 47.6675, 50.6482,
101.8715

■ 87.7295, 92.7269,
107.8820

■ 41.0080, 42.9302,
100.7328

95.0500, 100.0000,
108.9000

■ 35.5453, 36.2359,
99.7285

■ 31.1922, 30.5083,
98.8524

■ 27.8479, 25.6831,
98.0973

■ 25.3894, 21.6838,
97.4550

■ 24.4934, 20.1068,
97.1978

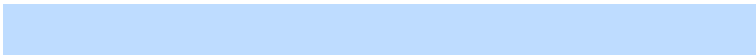
Harmonies

Analogous

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



60.6272, 69.3535, 98.5131



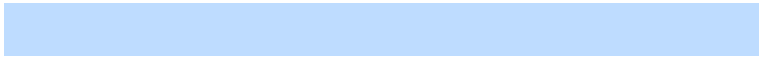
64.8784, 69.3535, 104.5749



69.6139, 69.3535, 102.1316

Triad

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



64.8784, 69.3535, 104.5749



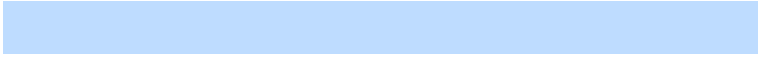
74.6540, 69.3535, 65.5918



58.8565, 69.3535, 60.9827

Complementary

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



64.8784, 69.3535, 104.5749



77.4595, 78.8277, 59.8497

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.



62.3561, 69.3535, 53.9767



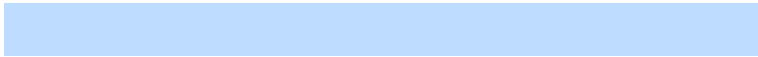
64.8784, 69.3535, 104.5749



71.5088, 69.3535, 56.4061

Square

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



64.8784, 69.3535, 104.5749



75.4085, 69.3535, 78.5483



66.9695, 69.3535, 52.4076



57.2599, 69.3535, 72.5592

Rectangle

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



64.8784, 69.3535, 104.5749



72.3940, 69.3535, 96.1369



66.9695, 69.3535, 52.4076



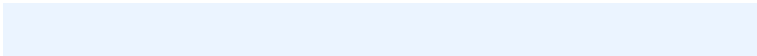
59.8410, 69.3535, 58.0741

Sweetspot

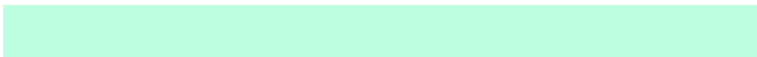
The Sweet Spot groups the original color and five complimentary colors.



64.8803, 69.3562, 104.5753



84.5346, 89.5253, 107.4324



70.5414, 87.8857, 84.2428



17.6940, 18.7595, 22.9383



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.



64.8803, 69.3562, 104.5753



59.5962, 63.7504, 103.7717



58.2454, 55.2769, 102.2074



17.6940, 18.7595, 22.9383



12.9440, 10.7976, 50.8365



1.3682, 1.2671, 4.9857

Inverse Universe

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



72.5730, 63.2558, 76.0977



68.6945, 57.0667, 69.9716



85.5020, 96.0892, 62.7577



18.3582, 18.1266, 20.5033



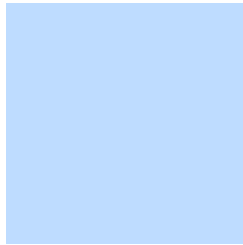
23.3217, 11.8180, 10.3446



2.3252, 1.1725, 1.2939

Previews

White Background



This preview shows how the XYZ color 64.8784, 69.3535, 104.5749 looks on a white background.

Color Contrast Check

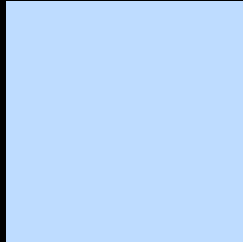
Large Text (above 18pt) WCAG AA × Fail

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 64.8784, 69.3535, 104.5749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

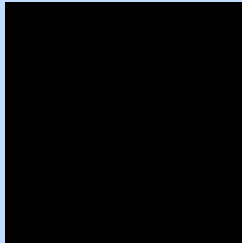
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

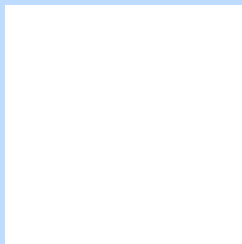
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.8784, 69.3535, 104.5749

Background



This preview shows how black text looks on a background with the XYZ color 64.8784, 69.3535, 104.5749.



This preview shows how white text looks on a background with the XYZ color 64.8784, 69.3535,

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

64.8784, 69.3535, 104.5749

Protanopia

68.4495, 69.3308, 101.8700

Deuteranopia

70.5069, 69.2124, 104.2510



Tritanopia

62.3430, 69.0986, 92.4896

Trichromacy



Original Color

64.8784, 69.3535, 104.5749

Protanomaly

67.1711, 69.4141, 102.7865

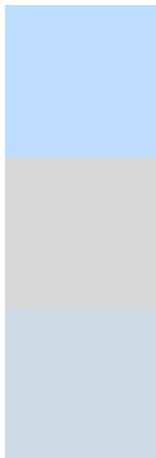
Deuteranomaly

68.3629, 69.2308, 104.3675

Tritanomaly

63.0769, 68.9968, 96.3794

Monochromacy



Original Color

64.8784, 69.3535, 104.5749

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.5494, 68.4607, 84.6750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8784, 69.3535, 104.5749 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(190, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 220, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.8784, 69.3535, 104.5749 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(190, 220, 255) }
```


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

```
.border{ border-color:rgb(190, 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(190, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 220,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8784, 69.3535, 104.5749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 220, 255) }
```

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

```
.background{ background-color: rgb(190,  
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](#).

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