

Converting Colors

XYZ(68.2329, 70.8131,
119.1312)

Have a look what the booklet for
XYZ(68.2329, 70.8131, 119.1312)
contains.

XYZ(65.3814, 69.6129, 104.5984)	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(65.3814, 69.6129,
104.5984)**

Conversions

Conversions Part 1

Format	Color
Hex	C0DCFF
RGB	192, 220, 255
RGB Percent	75%, 86%, 100%
CMY	0.2470, 0.1372, 0.0000
CMYK	0.25, 0.14, 0.00, 0.00
HSL	213°, 100%, 88%
HSV	213°, 25%, 100%
XYZ	65.3814, 69.6129, 104.5984
YIQ	215.6180, -27.9230, 4.9490

Conversions

Conversions Part 2

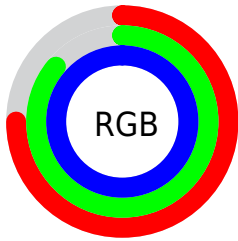
Format	Color
RYB	192, 211, 255
Decimal	12639487
CIELab	86.81, -1.76, -20.09
CIELCh	87, 20.165, 265.004
Yxy	69.6129, 0.2729, 0.2905
Android (android.graphics.Color)	4290829567 (0xFFC0DCFF)
YUV	215.6180, 19.4153, -20.7130
Hunter-Lab	83.4343, -6.1327, -15.9255

Details

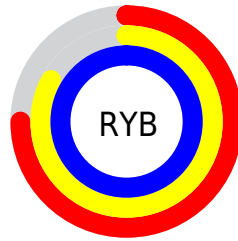
The XYZ color **65.3814, 69.6129, 104.5984** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **78.2234, 80.0031, 61.1902**, and the grayscale version is **64.8979, 68.2777, 74.3544**.

A 20% lighter version of the original color is **92.8769, 98.8797, 108.7983**, and **33.9647, 36.3058, 58.6437** is the 20% darker color. If you saturate the color by 10%, you get **55.9141, 59.4466, 103.1351**, and if you desaturate by 10%, it is **76.2862, 80.9914, 106.2199**.

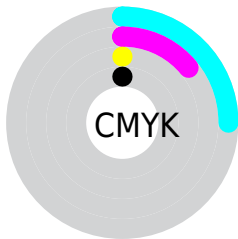
Distribution



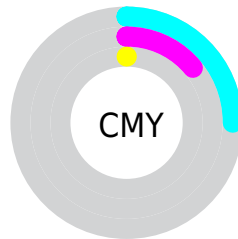
- Red (75%)
- Green (86%)
- Blue (100%)



- 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 65.3814, 69.6129, 104.5984 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 65.3814, 69.6129, 104.5984 by changing the saturation by 10% instead.

■ 65.3814, 69.6129,
104.5984

■ 65.3814, 69.6129,
104.5984

433.6849,
459.1897, 596.2092

■ 48.0363, 51.2110,
79.5082

■ 111.6607,
118.6566, 169.5690

■ 34.0670, 36.3766,
58.7899

141.3255,
150.0671, 210.2864

■ 23.1082, 24.7252,
42.0251

175.8276,
186.5827, 257.0500

■ 14.7945, 15.8724,
28.7953

215.5324,
228.5877, 310.2783

■ 8.7607, 9.4339,
18.6817

260.8051,
276.4665, 370.3899

■ 4.6413, 5.0253,
11.2661

312.0112,

■ 2.0709, 2.2621,

330.6035, 437.8032

6.1297

369.5160,
391.3831, 512.9368

■ 0.6733, 0.7535,
2.8540

■ 0.0000, 0.0000,
1.0206

■ 65.3814, 69.6129,
104.5984

■ 65.3814, 69.6129,
104.5984

■ 55.9141, 59.4466,
103.1351

■ 76.2862, 80.9914,
106.2199

■ 47.8130, 50.4391,
101.8234

■ 88.6838, 93.6165,
108.0034

■ 41.0092, 42.5444,
100.6582

95.0500, 100.0000,
108.9000

■ 35.4248, 35.7100,
99.6334

■ 30.9727, 29.8779,
98.7423

■ 27.5524, 24.9826,
97.9777

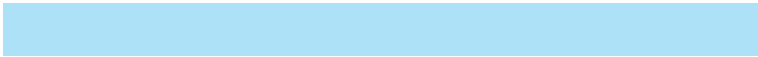
■ 25.0422, 20.9468,
97.3310

■ 23.9937, 19.1074,
97.0312

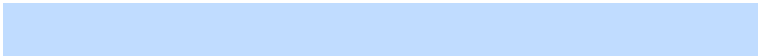
Harmonies

Analogous

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



61.1185, 69.6129, 99.0246



65.3814, 69.6129, 104.5984



70.0568, 69.6129, 101.7416

Triad

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



65.3814, 69.6129, 104.5984



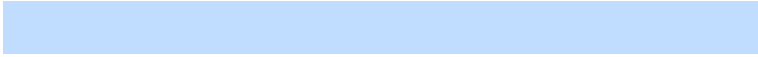
74.6934, 69.6129, 65.3797



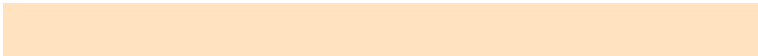
59.0379, 69.6129, 61.9071

Complementary

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



65.3814, 69.6129, 104.5984



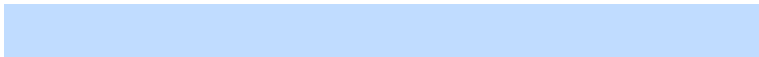
78.2234, 80.0031, 61.1902

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.



62.4200, 69.6129, 54.6861



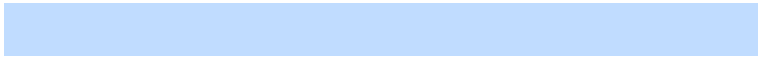
65.3814, 69.6129, 104.5984



71.4818, 69.6129, 56.5186

Square

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



65.3814, 69.6129, 104.5984



75.5775, 69.6129, 78.0720



66.9548, 69.6129, 52.8362



57.5683, 69.6129, 73.5659

Rectangle

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



65.3814, 69.6129, 104.5984



72.7602, 69.6129, 95.5984



66.9548, 69.6129, 52.8362



59.9808, 69.6129, 58.9374

Sweetspot

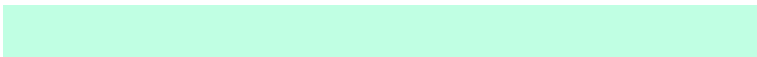
The Sweet Spot groups the original color and five complimentary colors.



65.3833, 69.6156, 104.5988



85.7030, 90.6061, 107.5794



71.3160, 88.2537, 85.6969



18.1791, 19.2264, 23.0029



0.0000, 0.0000, 0.0000



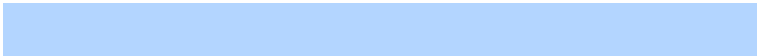
20.3446, 21.4041, 23.3091

Same Dimension

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



65.3833, 69.6156, 104.5988



60.1946, 64.0834, 103.8045



59.4454, 56.5430, 102.3885



17.6676, 18.7068, 22.9295



12.6807, 10.2710, 50.7487



1.3416, 1.2139, 4.9769

Inverse Universe

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



73.0091, 64.1281, 76.2432



69.2074, 58.0791, 70.1837



85.3654, 95.9934, 63.9002



18.3449, 18.1213, 20.4332



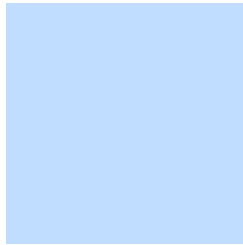
23.1888, 11.7648, 9.6448



2.3118, 1.1671, 1.2233

Previews

White Background



This preview shows how the XYZ color 65.3814, 69.6129, 104.5984 looks on a white background.

Color Contrast Check

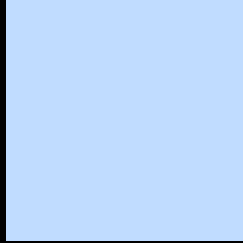
Large Text (above 18pt) WCAG AA × Fail

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 65.3814, 69.6129, 104.5984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

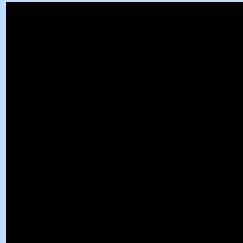
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

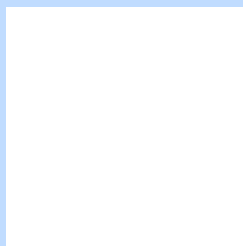
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.3814, 69.6129, 104.5984

Background



This preview shows how black text looks on a background with the XYZ color 65.3814, 69.6129, 104.5984.



This preview shows how white text looks on a background with the XYZ color 65.3814, 69.6129,

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

65.3814, 69.6129, 104.5984

Protanopia

68.4495, 69.3308, 101.8700

Deuteranopia

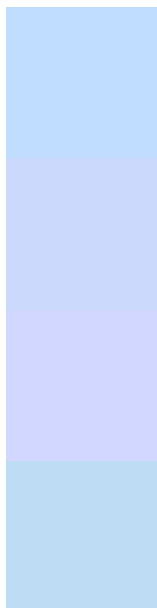
70.8069, 69.3670, 104.2650



Tritanopia

62.8357, 69.3526, 92.5127

Trichromacy



Original Color

65.3814, 69.6129, 104.5984

Protanomaly

67.1711, 69.4141, 102.7865

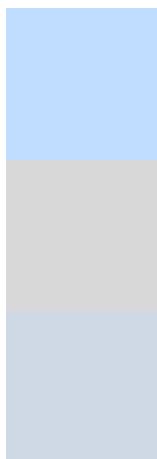
Deuteranomaly

68.6449, 69.3762, 104.3807

Tritanomaly

63.5731, 69.2526, 96.4026

Monochromacy



Original Color

65.3814, 69.6129, 104.5984

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.8279, 68.6043, 84.6881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.3814, 69.6129, 104.5984 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(192, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(192, 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(192, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 220, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.3814, 69.6129, 104.5984 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(192, 220, 255) }
```


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

```
.border{ border-color:rgb(192, 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(192, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(192, 220,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.3814, 69.6129, 104.5984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 220, 255) }
```

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

```
.background{ background-color: rgb(192,  
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