

Converting Colors

XYZ(64.9727, 74.5000,
105.5633)

Have a look what the booklet for
XYZ(64.9727, 74.5000, 105.5633)
contains.

XYZ(65.0934, 74.7279, 105.6009)	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(65.0934, 74.7279,
105.6009)**

Conversions

Conversions Part 1

Format	Color
Hex	B0E9FF
RGB	176, 233, 255
RGB Percent	69%, 91%, 100%
CMY	0.3098, 0.0863, 0.0000
CMYK	0.31, 0.09, 0.00, 0.00
HSL	197°, 100%, 85%
HSV	197°, 31%, 100%
XYZ	65.0934, 74.7279, 105.6009
YIQ	218.4650, -41.0340, -5.2420

Conversions

Conversions Part 2

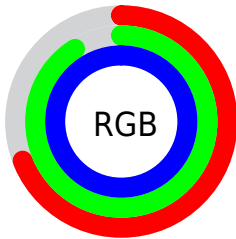
Format	Color
R _Y B	176, 209, 255
Decimal	11594239
CIE _{Lab}	89.27, -13.00, -16.48
CIE _{LCh}	89, 20.991, 231.722
Y _{xy}	74.7279, 0.2652, 0.3045
Android (android.graphics.Color)	4289784319 (0xFFB0E9FF)
YUV	218.4650, 18.0118, -37.2418
Hunter-Lab	86.4453, -16.8686, -11.9165

Details

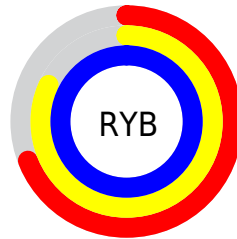
The XYZ color **65.0934, 74.7279, 105.6009** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.2708, 64.7826, 49.9295**, and the grayscale version is **66.8630, 70.3451, 76.6058**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **33.8003, 39.5864, 59.2856** is the 20% darker color. If you saturate the color by 10%, you get **57.8908, 68.0925, 104.6997**, and if you desaturate by 10%, it is **73.4639, 82.0891, 106.5806**.

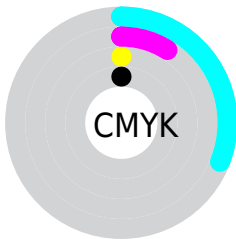
Distribution



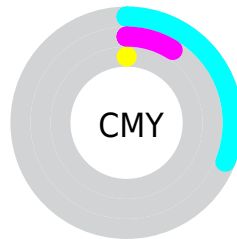
- Red (69%)
- Green (91%)
- Blue (100%)



- Red (69%)
- Yellow (82%)
- Blue (100%)



- Cyan (31%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.0934, 74.7279, 105.6009 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 65.0934, 74.7279, 105.6009 by changing the saturation by 10% instead.

65.0934, 74.7279,
105.6009

65.0934, 74.7279,
105.6009

432.6674,
476.9818, 599.4037

47.8018, 55.3900,
80.3434

111.2491,
125.9271, 170.9518

33.8806, 39.7141,
59.4731

140.8439,
158.5572, 211.8823

22.9643, 27.3157,
42.5716

175.2705,
196.3869, 258.8742

14.6877, 17.8104,
29.2202

214.8942,
239.8004, 312.3460

8.6854, 10.8140,
19.0005

260.0804,
289.1823, 372.7163

4.5920, 5.9419,
11.4938

311.1944,

2.0422, 2.8098,

344.9169, 440.4037

6.2817

368.6016,
407.3886, 515.8266

■ 0.6575, 1.0332,
2.9456

■ 0.0000, 0.0000,
1.0669

■ 65.0934, 74.7279,
105.6009

■ 65.0934, 74.7279,
105.6009

■ 57.8908, 68.0925,
104.6997

■ 73.4639, 82.0891,
106.5806

■ 51.7883, 62.1410,
103.8726

■ 83.0531, 90.1983,
107.6404

■ 46.7202, 56.8400,
103.1165

■ 93.9162, 99.0869,
108.7835

■ 42.6109, 52.1491,
102.4277

■ 95.0500, 100.0000,
108.9000

■ 39.3735, 48.0221,
101.8017

■ 36.9043, 44.4039,
101.2335

■ 35.1901, 41.5001,
100.7634

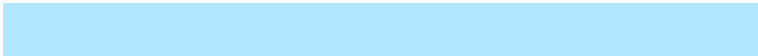
Harmonies

Analogous

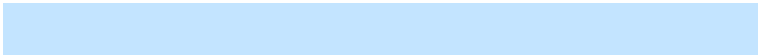
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.2570, 74.7279, 92.2680



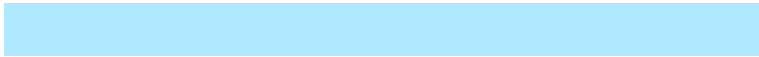
65.0934, 74.7279, 105.6009



69.6168, 74.7279, 112.6225

Triad

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



65.0934, 74.7279, 105.6009



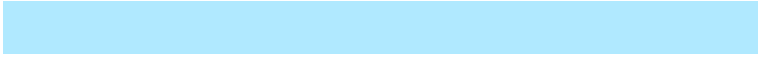
81.2349, 74.7279, 85.4988



67.4404, 74.7279, 57.8563

Complementary

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



65.0934, 74.7279, 105.6009



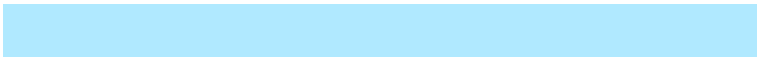
69.2708, 64.7826, 49.9295

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.



72.4554, 74.7279, 56.5043



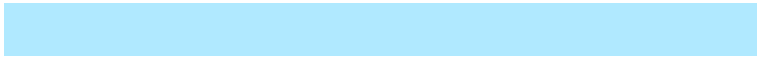
65.0934, 74.7279, 105.6009



80.5834, 74.7279, 71.3584

Square

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



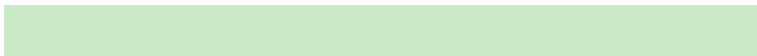
65.0934, 74.7279, 105.6009



79.0494, 74.7279, 100.1376



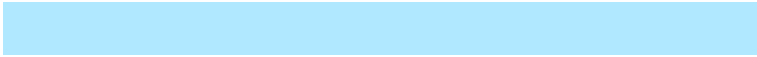
77.3099, 74.7279, 61.1553



63.5659, 74.7279, 65.1003

Rectangle

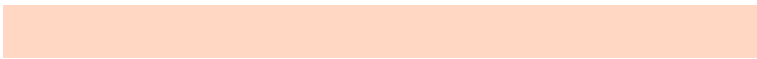
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.0934, 74.7279, 105.6009



73.0482, 74.7279, 112.2570



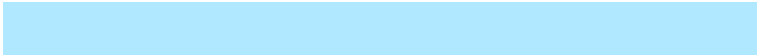
77.3099, 74.7279, 61.1553



69.0427, 74.7279, 56.7356

Sweetspot

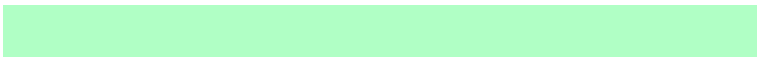
The Sweet Spot groups the original color and five complimentary colors.



65.0954, 74.7308, 105.6013



85.1001, 91.8946, 107.8599



63.7513, 84.7849, 65.8700



17.8918, 19.4016, 23.0518



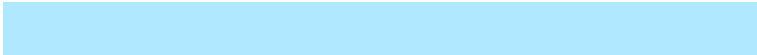
0.0000, 0.0000, 0.0000



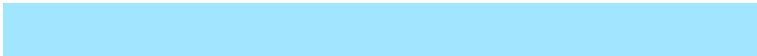
20.3446, 21.4041, 23.3091

Same Dimension

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



65.0954, 74.7308, 105.6013



60.6219, 70.6496, 105.0494



55.3443, 55.2285, 102.3510



18.1022, 19.5760, 23.0744



18.5198, 21.9491, 52.6951



1.8953, 2.3213, 5.1614

Inverse Universe

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



71.4746, 58.1955, 84.5597



68.0289, 52.2696, 80.4342



79.2359, 84.7130, 53.2512



18.5642, 18.2090, 21.5884



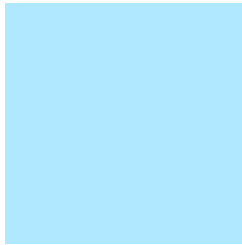
26.1361, 12.9437, 25.1650



2.5913, 1.2789, 2.6950

Previews

White Background



This preview shows how the XYZ color 65.0934, 74.7279, 105.6009 looks on a white background.

Color Contrast Check

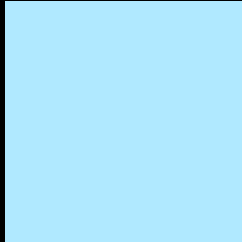
Large Text (above 18pt) WCAG AA × Fail

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 65.0934, 74.7279, 105.6009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

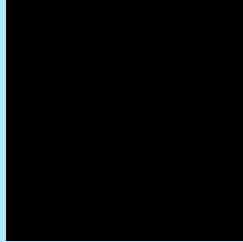
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.0934, 74.7279, 105.6009

Background



This preview shows how black text looks on a background with the XYZ color 65.0934, 74.7279, 105.6009.

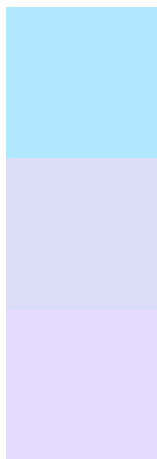


This preview shows how white text looks on a background with the XYZ color 65.0934, 74.7279,

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

65.0934, 74.7279, 105.6009

Protanopia

72.5798, 74.2355, 99.3105

Deuteranopia

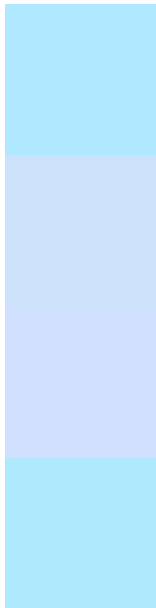
75.3764, 74.3770, 104.9912



Tritanopia

64.3888, 74.4201, 103.0663

Trichromacy



Original Color

65.0934, 74.7279, 105.6009

Protanomaly

69.5108, 74.1951, 101.9243

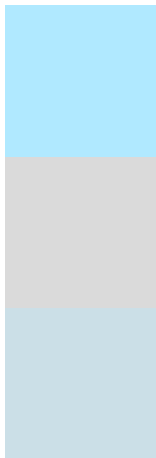
Deuteranomaly

71.0001, 74.0866, 105.1658

Tritanomaly

64.5477, 74.4836, 103.9033

Monochromacy



Original Color

65.0934, 74.7279, 105.6009

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.4401, 71.2414, 85.9032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.0934, 74.7279, 105.6009 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(176, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 233, 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(176, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 233, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.0934, 74.7279, 105.6009 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(176, 233, 255) }
```


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

```
.border{ border-color:rgb(176, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 233,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.0934, 74.7279, 105.6009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 233, 255) }
```

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

```
.background{ background-color: rgb(176,  
233, 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