

Converting Colors

XYZ(65.2737, 76.4113,
105.9163)

Have a look what the booklet for
XYZ(65.2737, 76.4113, 105.9163)
contains.

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Color

**XYZ(65.3474, 76.5590,
105.9409)**

Conversions

Conversions Part 1

Format	Color
Hex	ACEDFF
RGB	172, 237, 255
RGB Percent	67%, 93%, 100%
CMY	0.3255, 0.0706, 0.0000
CMYK	0.33, 0.07, 0.00, 0.00
HSL	193°, 100%, 84%
HSV	193°, 33%, 100%
XYZ	65.3474, 76.5590, 105.9409
YIQ	219.6170, -44.5180, -8.1820

Conversions

Conversions Part 2

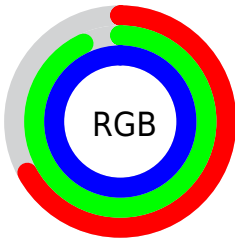
Format	Color
R _Y B	172, 208, 255
Decimal	11333119
CIE Lab	90.12, -16.11, -15.22
CIE LCh	90, 22.160, 223.378
Yxy	76.5590, 0.2637, 0.3089
Android (android.graphics.Color)	4289523199 (0xFFACEDFF)
YUV	219.6170, 17.4438, -41.7601
Hunter-Lab	87.4980, -19.8098, -10.5386

Details

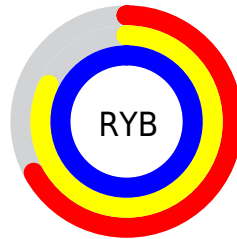
The XYZ color **65.3474, 76.5590, 105.9409** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.1000, 61.0653, 47.2817**, and the grayscale version is **67.6670, 71.1909, 77.5269**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **34.0530, 40.9069, 59.5271** is the 20% darker color. If you saturate the color by 10%, you get **58.7029, 70.7955, 105.1787**, and if you desaturate by 10%, it is **73.1192, 82.9806, 106.7708**.

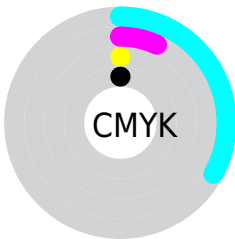
Distribution



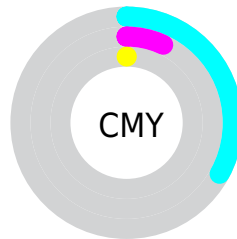
- Red (67%)
- Green (93%)
- Blue (100%)



- Red (67%)
- Yellow (82%)
- Blue (100%)



- Cyan (33%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.3474, 76.5590, 105.9409 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 65.3474, 76.5590, 105.9409 by changing the saturation by 10% instead.

65.3474, 76.5590,
105.9409

65.3474, 76.5590,
105.9409

433.5648,
483.2591, 600.4850

48.0086, 56.8910,
80.6268

111.6121,
128.5168, 171.4205

34.0450, 40.9177,
59.7051

141.2687,
161.5753, 212.4230

23.0912, 28.2548,
42.7572

175.7619,
199.8662, 259.4921

14.7819, 18.5178,
29.3647

215.4571,
243.7738, 313.0464

8.7518, 11.3224,
19.1089

260.7196,
293.6825, 373.5042

4.6355, 6.2841,
11.5714

311.9149,

2.0675, 3.0186,

349.9767, 441.2843

6.3336

369.4081,
413.0408, 516.8050

■ 0.6715, 1.1415,
2.9769

■ 0.0000, 0.0131,
1.0829

■ 65.3474, 76.5590,
105.9409

■ 65.3474, 76.5590,
105.9409

■ 58.7029, 70.7955,
105.1787

■ 73.1192, 82.9806,
106.7708

■ 53.1174, 65.6487,
104.4796

■ 82.0691, 90.0817,
107.6697

■ 48.5246, 61.0856,
103.8409

■ 92.2525, 97.8932,
108.6408

■ 44.8480, 57.0662,
103.2589

95.0500, 100.0000,
108.9000

■ 41.9992, 53.5441,
102.7292

■ 39.8711, 50.4635,
102.2467

■ 38.6371, 48.3942,
101.9124

Harmonies

Analogous

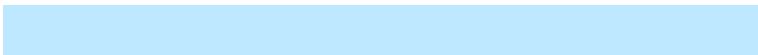
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.9552, 76.5590, 90.5659



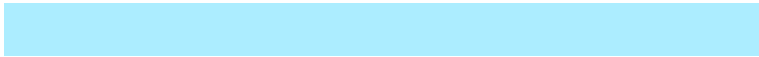
65.3474, 76.5590, 105.9409



69.7834, 76.5590, 115.8818

Triad

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



65.3474, 76.5590, 105.9409



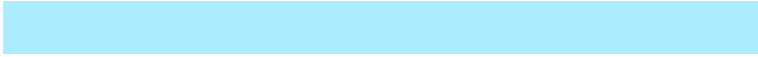
83.3789, 76.5590, 92.3280



70.3474, 76.5590, 57.2283

Complementary

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



65.3474, 76.5590, 105.9409



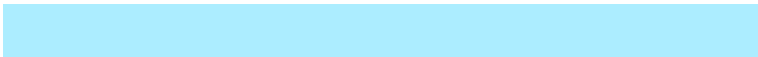
67.1000, 61.0653, 47.2817

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.



75.8346, 76.5590, 57.5744



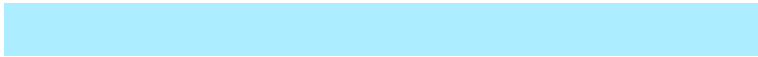
65.3474, 76.5590, 105.9409



83.5487, 76.5590, 76.5463

Square

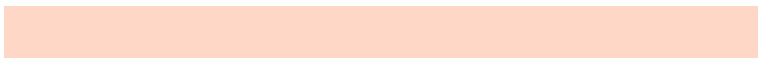
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.3474, 76.5590, 105.9409



80.2751, 76.5590, 107.3701



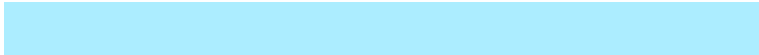
80.7280, 76.5590, 64.2395



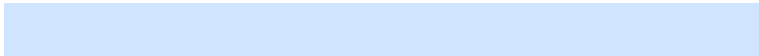
65.7423, 76.5590, 63.2255

Rectangle

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



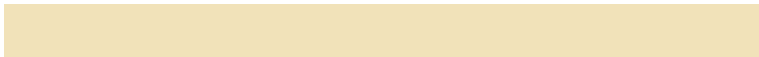
65.3474, 76.5590, 105.9409



73.3919, 76.5590, 117.3994



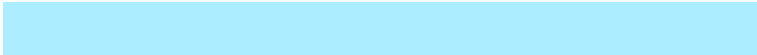
80.7280, 76.5590, 64.2395



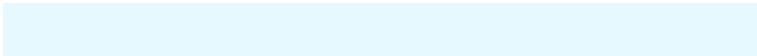
72.1457, 76.5590, 56.6317

Sweetspot

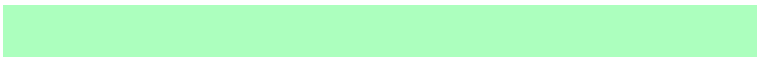
The Sweet Spot groups the original color and five complimentary colors.



65.3495, 76.5619, 105.9414



84.5443, 92.0033, 107.9102



62.0668, 84.0082, 61.6512



17.8016, 19.4644, 23.0687



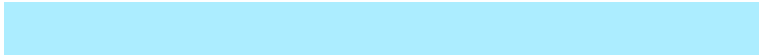
0.0000, 0.0000, 0.0000



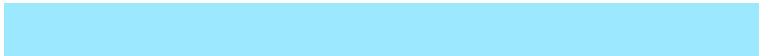
20.3446, 21.4041, 23.3091

Same Dimension

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



65.3495, 76.5619, 105.9414



60.9361, 72.7686, 105.4418



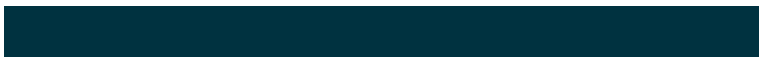
54.6957, 55.2544, 102.3901



18.2010, 19.7736, 23.1073



20.3031, 25.5159, 53.2896



2.0558, 2.6423, 5.2149

Inverse Universe

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



71.2799, 56.8811, 87.3464



67.8236, 50.7944, 83.6479



77.3984, 81.6620, 50.7145



18.6141, 18.2290, 21.8510



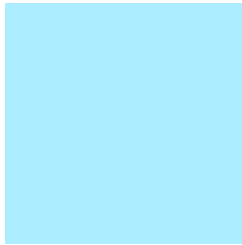
27.0363, 13.3038, 29.9052



2.6723, 1.3113, 3.1217

Previews

White Background



This preview shows how the XYZ color 65.3474, 76.5590, 105.9409 looks on a white background.

Color Contrast Check

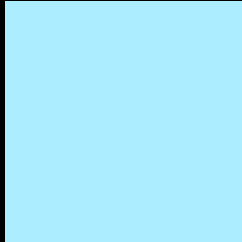
Large Text (above 18pt) WCAG AA × Fail

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 65.3474, 76.5590, 105.9409 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 65.3474, 76.5590, 105.9409

Background



This preview shows how black text looks on a background with the XYZ color 65.3474, 76.5590, 105.9409.

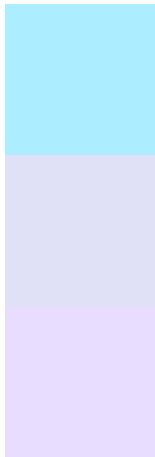


This preview shows how white text looks on a background with the XYZ color 65.3474, 76.5590,

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

65.3474, 76.5590, 105.9409

Protanopia

74.1846, 75.8740, 98.7309

Deuteranopia

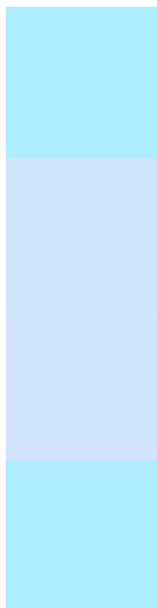
77.1852, 76.0887, 105.2262



Tritanopia

65.7897, 76.7870, 105.9616

Trichromacy



Original Color

65.3474, 76.5590, 105.9409

Protanomaly

70.4515, 75.9199, 101.3833

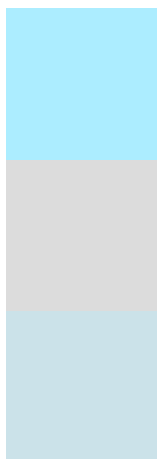
Deuteranomaly

72.0974, 75.8598, 105.4502

Tritanomaly

65.5678, 76.6726, 105.9512

Monochromacy



Original Color

65.3474, 76.5590, 105.9409

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.5329, 72.9724, 87.6692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.3474, 76.5590, 105.9409 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(172, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 237, 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(172, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.3474, 76.5590, 105.9409 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(172, 237, 255) }
```


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

```
.border{ border-color:rgb(172, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.3474, 76.5590, 105.9409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 237, 255) }
```

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

```
.background{ background-color: rgb(172,  
237, 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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