

Converting Colors

XYZ(88.0227, 85.8194,
232.0935)

Have a look what the booklet for
XYZ(88.0227, 85.8194, 232.0935)
contains.

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Color

**XYZ(64.1416, 76.3684,
105.9677)**

Conversions

Conversions Part 1

Format	Color
Hex	A5EEFF
RGB	165, 238, 255
RGB Percent	65%, 93%, 100%
CMY	0.3529, 0.0667, 0.0000
CMYK	0.35, 0.07, 0.00, 0.00
HSL	191°, 100%, 82%
HSV	191°, 35%, 100%
XYZ	64.1416, 76.3684, 105.9677
YIQ	218.1110, -48.9650, -10.1890

Conversions

Conversions Part 2

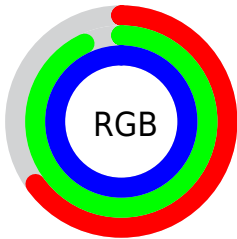
Format	Color
R _Y B	165, 205, 255
Decimal	10874623
CIE Lab	90.03, -18.46, -15.39
CIE LCh	90, 24.031, 219.818
Yxy	76.3684, 0.2602, 0.3098
Android (android.graphics.Color)	4289064703 (0xFFA5EEFF)
YUV	218.1110, 18.1863, -46.5783
Hunter-Lab	87.3890, -21.9157, -10.7226

Details

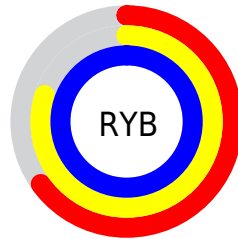
The XYZ color **64.1416, 76.3684, 105.9677** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.7598, 57.4326, 43.2716**, and the grayscale version is **66.6216, 70.0911, 76.3292**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **33.2277, 40.7843, 59.5470** is the 20% darker color. If you saturate the color by 10%, you get **57.9742, 71.1371, 105.2830**, and if you desaturate by 10%, it is **71.4081, 82.2256, 106.7153**.

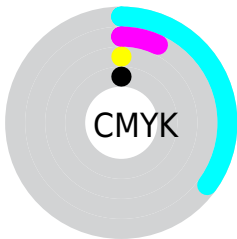
Distribution



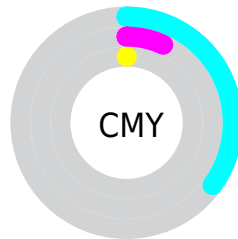
- Red (65%)
- Green (93%)
- Blue (100%)



- Red (65%)
- Yellow (80%)
- Blue (100%)



- Cyan (35%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1416, 76.3684, 105.9677 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 64.1416, 76.3684, 105.9677 by changing the saturation by 10% instead.

64.1416, 76.3684,
105.9677

64.1416, 76.3684,
105.9677

429.2949,
482.6079, 600.5702

47.0275, 56.7346,
80.6491

109.8874,
128.2475, 171.4574

33.2654, 40.7922,
59.7234

139.2499,
161.2617, 212.4656

22.4901, 28.1568,
42.7719

173.4258,
199.5048, 259.5408

14.3360, 18.4439,
29.3761

212.7805,
243.3612, 313.1015

8.4380, 11.2691,
19.1175

257.6794,
293.2153, 373.5663

4.4306, 6.2482,
11.5775

308.4879,

1.9485, 2.9966,

349.4515, 441.3536

6.3377

365.5713,
412.4542, 516.8821

■ 0.6048, 1.1299,
2.9794

■ 0.0000, 0.0033,
1.0841

■ 64.1416, 76.3684,
105.9677

■ 64.1416, 76.3684,
105.9677

■ 57.9742, 71.1371,
105.2830

■ 71.4081, 82.2256,
106.7153

■ 52.8361, 66.4899,
104.6568

■ 79.8256, 88.7305,
107.5272

■ 48.6592, 62.3930,
104.0862

■ 89.4502, 95.9142,
108.4065

■ 45.3643, 58.8051,
103.5673

95.0500, 100.0000,
108.9000

■ 42.8590, 55.6783,
103.0958

■ 41.0292, 52.9532,
102.6663

■ 40.3248, 51.7697,
102.4749

Harmonies

Analogous

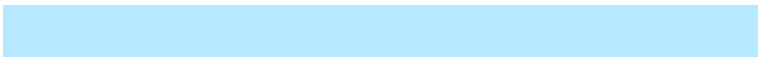
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.8779, 76.3684, 88.8699



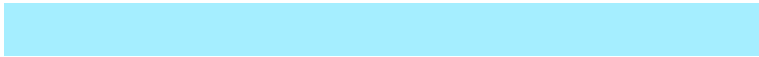
64.1416, 76.3684, 105.9677



68.7067, 76.3684, 117.8847

Triad

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



64.1416, 76.3684, 105.9677



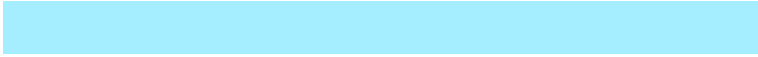
83.8721, 76.3684, 94.9868



70.6510, 76.3684, 54.8448

Complementary

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



64.1416, 76.3684, 105.9677



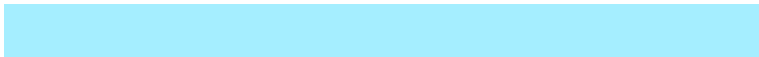
64.7598, 57.4326, 43.2716

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.



76.6084, 76.3684, 56.0148



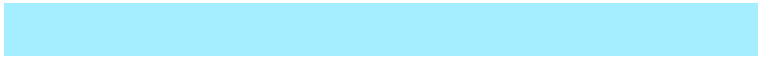
64.1416, 76.3684, 105.9677



84.4630, 76.3684, 77.6852

Square

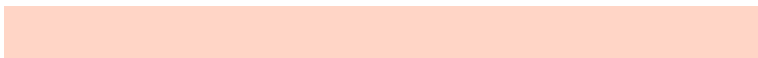
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.1416, 76.3684, 105.9677



80.1675, 76.3684, 110.9683



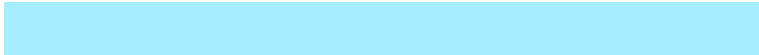
81.7405, 76.3684, 63.8718



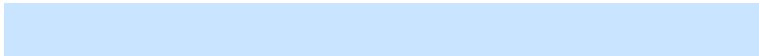
65.4980, 76.3684, 60.4224

Rectangle

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



64.1416, 76.3684, 105.9677



72.5494, 76.3684, 120.4438



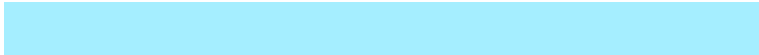
81.7405, 76.3684, 63.8718



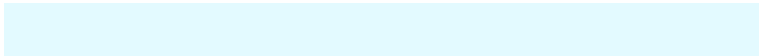
72.6223, 76.3684, 54.4819

Sweetspot

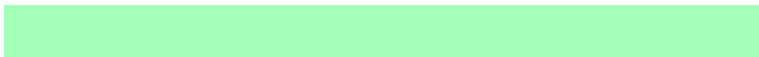
The Sweet Spot groups the original color and five complimentary colors.



64.1437, 76.3713, 105.9681



83.8061, 91.7294, 107.8962



59.6701, 82.8767, 56.8392



17.6636, 19.4282, 23.0690



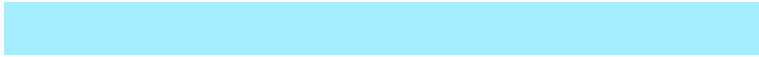
0.0000, 0.0000, 0.0000



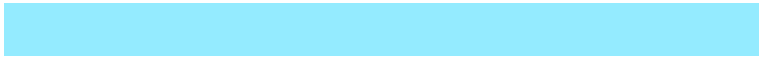
20.3446, 21.4041, 23.3091

Same Dimension

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



64.1437, 76.3713, 105.9681



59.8884, 72.7940, 105.5019



52.7492, 53.5824, 102.1700



18.2461, 19.8639, 23.1224



21.1749, 27.2594, 53.5801



2.1334, 2.7976, 5.2408

Inverse Universe

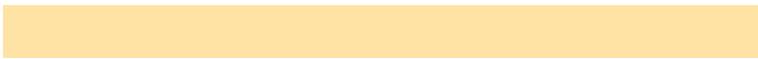
The Inverse Universe completely reimagines the original color for something new.



70.1291, 54.3450, 87.6856



66.7770, 48.3936, 84.2476



75.3648, 78.6425, 46.8066



18.6369, 18.2381, 21.9709



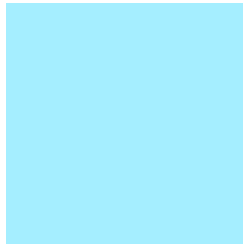
27.4763, 13.4798, 32.2224



2.7115, 1.3270, 3.3280

Previews

White Background



This preview shows how the XYZ color 64.1416, 76.3684, 105.9677 looks on a white background.

Color Contrast Check

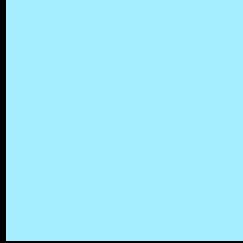
Large Text (above 18pt) WCAG AA × Fail

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 64.1416, 76.3684, 105.9677 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 64.1416, 76.3684, 105.9677

Background



This preview shows how black text looks on a background with the XYZ color 64.1416, 76.3684, 105.9677.

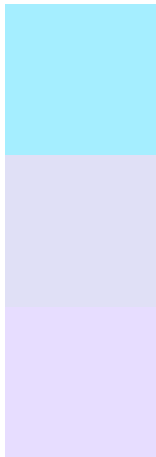


This preview shows how white text looks on a background with the XYZ color 64.1416, 76.3684,

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

64.1416, 76.3684, 105.9677

Protanopia

74.0307, 75.8124, 97.9202

Deuteranopia

76.8614, 75.9218, 105.2111



Tritanopia

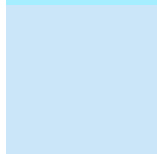
64.9118, 76.3344, 105.9205

Trichromacy



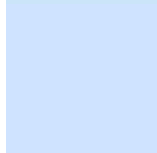
Original Color

64.1416, 76.3684, 105.9677



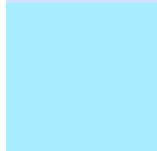
Protanomaly

69.7468, 75.5747, 100.5339



Deuteranomaly

71.2512, 75.4236, 105.4106



Tritanomaly

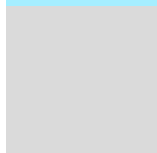
64.4826, 76.1132, 105.9005

Monochromacy



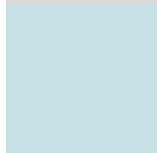
Original Color

64.1416, 76.3684, 105.9677



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

64.9022, 71.7621, 86.0321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1416, 76.3684, 105.9677 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(165, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 238, 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(165, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.1416, 76.3684, 105.9677 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(165, 238, 255) }
```


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

```
.border{ border-color:rgb(165, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1416, 76.3684, 105.9677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 238, 255) }
```

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

```
.background{ background-color: rgb(165,  
238, 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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