

# Converting Colors

XYZ(76.8902, 84.9340,  
105.7892)

Have a look what the booklet for  
XYZ(76.8902, 84.9340, 105.7892)  
contains.

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# Color

**XYZ(77.0914, 85.2540,  
106.1584)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4F3FE
RGB	212, 243, 254
RGB Percent	83%, 95%, 100%
CMY	0.1686, 0.0470, 0.0039
CMYK	0.17, 0.04, 0.00, 0.00
HSL	196°, 95%, 91%
HSV	196°, 17%, 100%
XYZ	77.0914, 85.2540, 106.1584
YIQ	234.9850, -22.0070, -3.1510

# Conversions

## Conversions Part 2

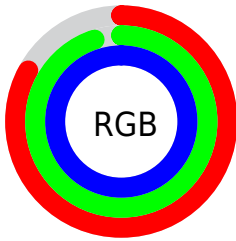
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 230, 254
Decimal	13956094
CIE Lab	93.99, -7.81, -8.68
CIE LCh	94, 11.674, 227.998
Yxy	85.2540, 0.2871, 0.3175
Android (android.graphics.Color)	4292146174 (0xFFD4F3FE)
YUV	234.9850, 9.3744, -20.1578
Hunter-Lab	92.3331, -12.5484, -3.5345

# Details

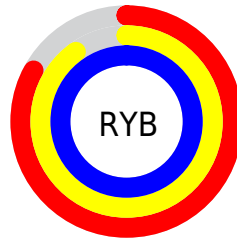
The XYZ color **77.0914, 85.2540, 106.1584** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.1451, 78.5997, 73.2890**, and the grayscale version is **78.8992, 83.0081, 90.3958**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7530, 46.7400, 59.6444** is the 20% darker color. If you saturate the color by 10%, you get **68.3837, 77.8659, 105.1927**, and if you desaturate by 10%, it is **87.0280, 93.3871, 107.2059**.

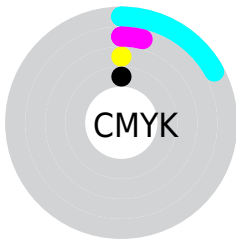
# Distribution



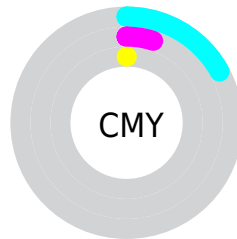
- Red (83%)
- Green (95%)
- Blue (100%)



- Red (83%)
- Yellow (90%)
- Blue (100%)



- Cyan (17%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0914, 85.2540, 106.1584 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 77.0914, 85.2540, 106.1584 by changing the saturation by 10% instead.



77.0914, 85.2540,  
106.1584

77.0914, 85.2540,  
106.1584

473.9628,  
512.4682, 601.1763

57.6281, 64.0513,  
80.8081

128.2407,  
140.7280, 171.7202

41.7518, 46.6922,  
59.8535

160.6573,  
175.7681, 212.7688

29.0973, 32.7924,  
42.8760

198.1224,  
216.1894, 259.8873

19.2991, 21.9675,  
29.4572

241.0014,  
262.3763, 313.4941

11.9919, 13.8330,  
19.1784

289.6595,  
314.7132, 374.0079

6.8103, 8.0046,  
11.6211

344.4623,

3.3890, 4.0979,

373.5846, 441.8472

6.3669

405.7749,  
439.3748, 517.4304

■ 1.3627, 1.7285,  
2.9970

■ 0.2294, 0.4420,  
1.0931

■ 77.0914, 85.2540,  
106.1584

■ 77.0914, 85.2540,  
106.1584

■ 68.3837, 77.8659,  
105.1927

■ 87.0280, 93.3871,  
107.2059

■ 60.8429, 71.1830,  
104.3002

94.8896, 99.9359,  
108.0556

■ 54.4129, 65.1775,  
103.4799

■ 49.0295, 59.8152,  
102.7286

■ 44.6217, 55.0584,  
102.0428

■ 41.1092, 50.8643,  
101.4184

■ 38.3980, 47.1833,  
100.8507

■ 36.3702, 43.9535,  
100.3342

■ 35.7655, 42.9076,  
100.1642

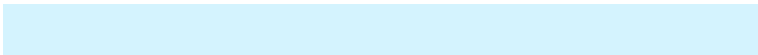
# Harmonies

## Analogous

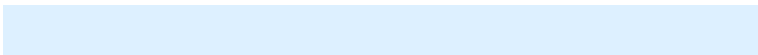
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.4705, 85.2540, 98.2254



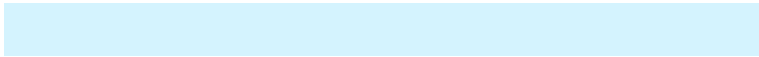
77.0914, 85.2540, 106.1584



79.7929, 85.2540, 110.6258

# Triad

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



77.0914, 85.2540, 106.1584



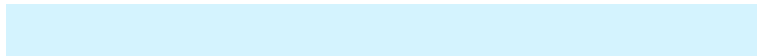
87.0287, 85.2540, 96.4380



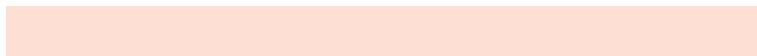
79.1959, 85.2540, 77.4584

# Complementary

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



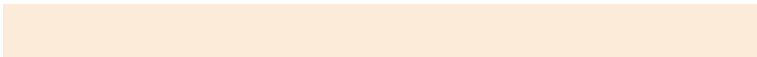
77.0914, 85.2540, 106.1584



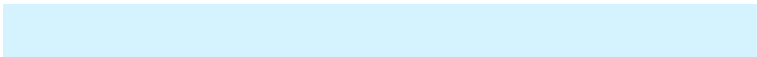
79.1451, 78.5997, 73.2890

# 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.



82.2826, 85.2540, 77.0479



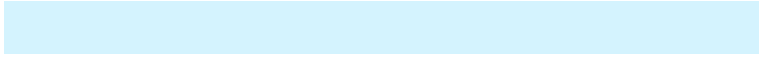
77.0914, 85.2540, 106.1584



86.8589, 85.2540, 87.6303

# Square

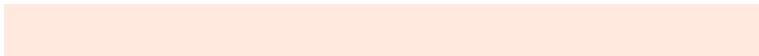
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.0914, 85.2540, 106.1584



85.5616, 85.2540, 104.7779



85.1033, 85.2540, 80.6614

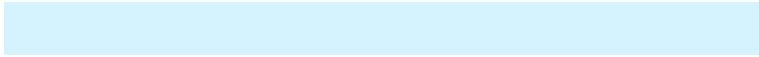


76.6640, 85.2540, 81.8214

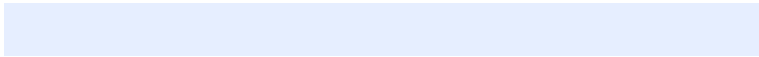


# Rectangle

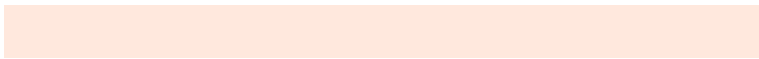
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.0914, 85.2540, 106.1584



81.8671, 85.2540, 110.8598



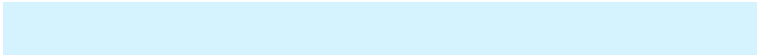
85.1033, 85.2540, 80.6614



80.2014, 85.2540, 76.8643

# Sweetspot

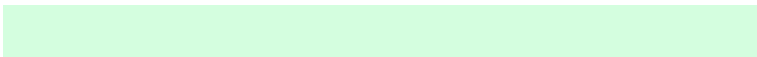
The Sweet Spot groups the original color and five complimentary colors.



77.0939, 85.2575, 106.1603



89.4581, 95.5500, 108.3358



75.8467, 90.1830, 82.8703



18.9851, 20.3211, 23.1717



0.0000, 0.0000, 0.0000

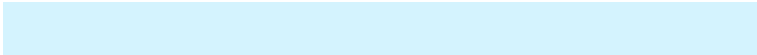


20.3446, 21.4041, 23.3091

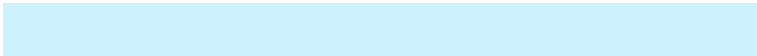


# Same Dimension

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



77.0939, 85.2575, 106.1603



74.5989, 83.3515, 106.7644



71.2967, 73.6631, 104.2279



18.1288, 19.6292, 23.0833



18.9823, 22.8741, 52.8493



1.9372, 2.4050, 5.1754



# Inverse Universe

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



80.5962, 74.6308, 94.9553



78.8069, 70.8353, 93.2455



84.9586, 90.2267, 75.2268



18.5776, 18.2144, 21.6590



26.3696, 13.0371, 26.3943

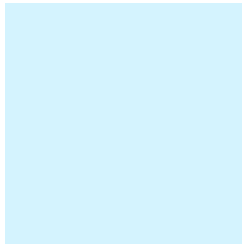


2.6124, 1.2873, 2.8063



# Previews

## White Background



This preview shows how the XYZ color 77.0914, 85.2540, 106.1584 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

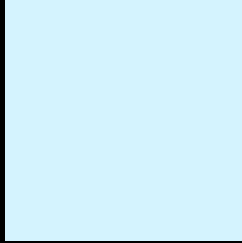
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.0914, 85.2540, 106.1584 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 77.0914, 85.2540, 106.1584

## Background



This preview shows how black text looks on a background with the XYZ color 77.0914, 85.2540, 106.1584.



This preview shows how white text looks on a background with the XYZ color 77.0914, 85.2540,



# 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

77.0914, 85.2540, 106.1584

### Protanopia

82.5107, 85.0702, 102.5139

### Deuteranopia

86.0503, 84.6958, 106.4203



## **Tritanopia**

79.0205, 85.3462, 106.9164

# Trichromacy



## Original Color

77.0914, 85.2540, 106.1584

## Protanomaly

80.5922, 85.3561, 103.4945

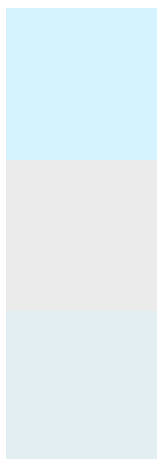
## Deuteranomaly

82.3504, 84.4695, 106.5717

## Tritanomaly

78.4174, 85.4760, 106.9732

# Monochromacy



## Original Color

77.0914, 85.2540, 106.1584

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

78.2801, 83.8908, 96.0711

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.0914, 85.2540, 106.1584 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(212, 243, 254)` looks like.

```
.text, #text, p{  
    color:rgb(212, 243, 254)  
}
```

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(212, 243, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 243, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 77.0914, 85.2540, 106.1584 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(212, 243, 254) }
```



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

```
.border{ border-color:rgb(212, 243, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 243, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 243, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 243, 254);  
box-shadow:4px 4px 4px 4px rgb(212, 243,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.0914, 85.2540, 106.1584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 243, 254) }
```

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

```
.background{ background-color: rgb(212,  
243, 254) }
```

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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