

# Converting Colors

XYZ(76.7782, 83.4228,  
106.6633)

Have a look what the booklet for  
XYZ(76.7782, 83.4228, 106.6633)  
contains.

<b>XYZ(76.6481, 83.2491, 106.6366)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(76.6481, 83.2491,  
106.6366)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6EFFF
RGB	214, 239, 255
RGB Percent	84%, 94%, 100%
CMY	0.1608, 0.0627, 0.0000
CMYK	0.16, 0.06, 0.00, 0.00
HSL	203°, 100%, 92%
HSV	203°, 16%, 100%
XYZ	76.6481, 83.2491, 106.6366
YIQ	233.3490, -20.0360, -0.3240

# Conversions

## Conversions Part 2

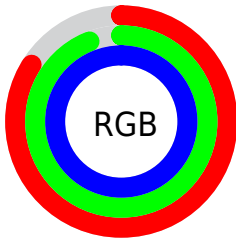
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	214, 230, 255
Decimal	14086143
CIE Lab	93.12, -4.96, -10.47
CIE LCh	93, 11.587, 244.647
Yxy	83.2491, 0.2876, 0.3123
Android (android.graphics.Color)	4292276223 (0xFFD6EFFF)
YUV	233.3490, 10.6739, -16.9691
Hunter-Lab	91.2409, -9.7205, -5.4257

# Details

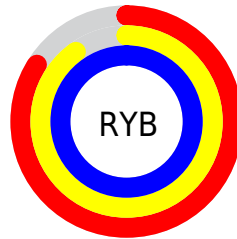
The XYZ color **76.6481, 83.2491, 106.6366** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.6742, 82.7076, 75.2797**, and the grayscale version is **77.6498, 81.6936, 88.9643**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4246, 45.3151, 59.9895** is the 20% darker color. If you saturate the color by 10%, you get **66.9480, 74.0450, 105.3713**, and if you desaturate by 10%, it is **87.6780, 93.3811, 108.0110**.

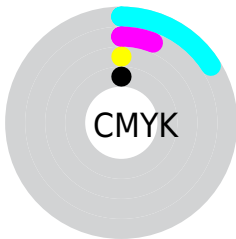
# Distribution



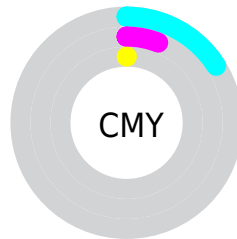
- Red (84%)
- Green (94%)
- Blue (100%)



- Red (84%)
- Yellow (90%)
- Blue (100%)



- Cyan (16%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6481, 83.2491, 106.6366 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 76.6481, 83.2491, 106.6366 by changing the saturation by 10% instead.



76.6481, 83.2491,  
106.6366

76.6481, 83.2491,  
106.6366

472.4737,  
505.8163, 602.6945

57.2630, 62.3957,  
81.2068

127.6181,  
137.9243, 172.3790

41.4574, 45.3525,  
60.1800

159.9337,  
172.5148, 213.5288

28.8659, 31.7352,  
43.1375

197.2903,  
212.4532, 260.7556

19.1232, 21.1593,  
29.6608

240.0530,  
258.1238, 314.4780

11.8639, 13.2405,  
19.3314

288.5874,  
309.9110, 375.1146

6.7226, 7.5944,  
11.7307

343.2588,

3.3340, 3.8365,

368.1993, 443.0838

6.4403

404.4324,  
433.3729, 518.8043

■ 1.3327, 1.5825,  
3.0415

■ 0.2075, 0.3458,  
1.1159

■ 76.6481, 83.2491,  
106.6366

■ 76.6481, 83.2491,  
106.6366

■ 66.9480, 74.0450,  
105.3713

■ 87.6780, 93.3811,  
108.0110

■ 58.5143, 65.7258,  
104.2101

95.0500, 100.0000,  
108.9000

■ 51.2885, 58.2596,  
103.1498

■ 45.2041, 51.6083,  
102.1866

■ 40.1879, 45.7298,  
101.3164

■ 36.1573, 40.5775,  
100.5343

■ 33.0159, 36.0974,  
99.8351

■ 30.6447, 32.2235,  
99.2123

■ 29.8567, 30.8333,  
98.9856

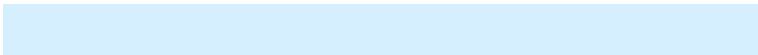
# Harmonies

## Analogous

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



74.4118, 83.2491, 100.5026



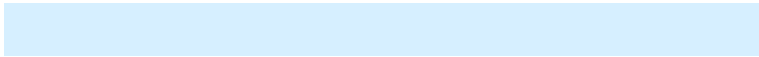
76.6481, 83.2491, 106.6366



79.6005, 83.2491, 108.3823

# Triad

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



76.6481, 83.2491, 106.6366



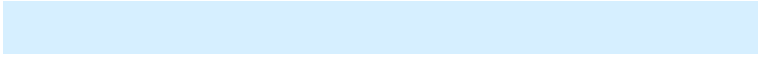
85.0986, 83.2491, 89.2941



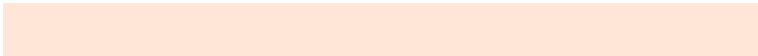
75.8476, 83.2491, 77.5526

# Complementary

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



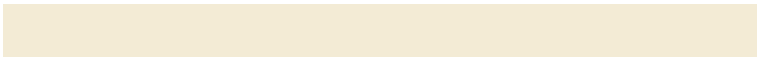
76.6481, 83.2491, 106.6366



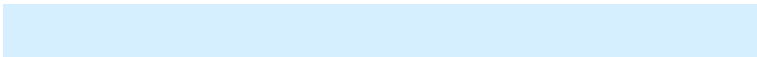
81.6742, 82.7076, 75.2797

# Split Complementary

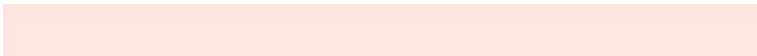
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.6530, 83.2491, 74.9553



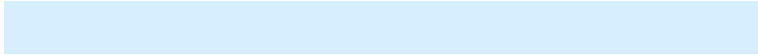
76.6481, 83.2491, 106.6366



84.0347, 83.2491, 81.4523

# Square

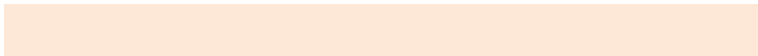
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



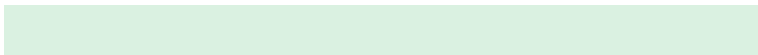
76.6481, 83.2491, 106.6366



84.5288, 83.2491, 98.0061



81.6563, 83.2491, 76.3363

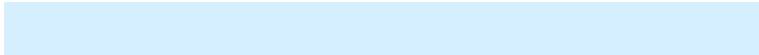


73.9580, 83.2491, 83.6603



# Rectangle

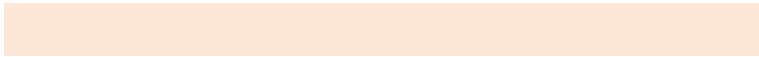
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.6481, 83.2491, 106.6366



81.5896, 83.2491, 106.7339



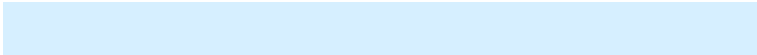
81.6563, 83.2491, 76.3363



76.7121, 83.2491, 76.2585

# Sweetspot

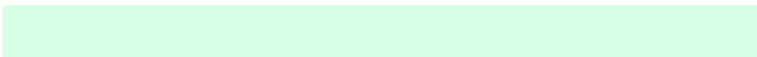
The Sweet Spot groups the original color and five complimentary colors.



76.6503, 83.2524, 106.6372



88.9474, 94.5286, 108.1656



77.7358, 91.5139, 88.2226



18.8608, 20.0725, 23.1303



0.0000, 0.0000, 0.0000

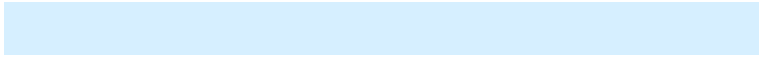


20.3446, 21.4041, 23.3091

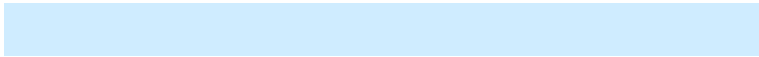


# Same Dimension

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



76.6503, 83.2524, 106.6372



73.6800, 80.4676, 106.2562



71.0581, 72.0679, 104.7731



17.9251, 19.2218, 23.0154



15.7502, 16.4100, 51.7719



1.6398, 1.8104, 5.0763



# Inverse Universe

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



80.8680, 75.5868, 91.9927



78.5984, 71.7297, 89.1336



87.6310, 94.6213, 77.2653



18.4748, 18.1732, 21.1176



24.7382, 12.3846, 17.8035

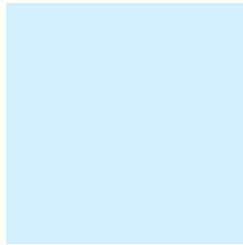


2.4623, 1.2273, 2.0160



# Previews

## White Background



This preview shows how the XYZ color 76.6481, 83.2491, 106.6366 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

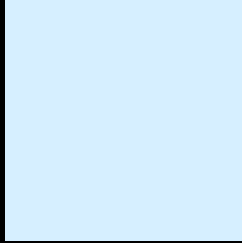
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.6481, 83.2491, 106.6366 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

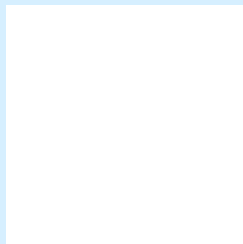
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 76.6481, 83.2491, 106.6366

## Background



This preview shows how black text looks on a background with the XYZ color 76.6481, 83.2491, 106.6366.



This preview shows how white text looks on a background with the XYZ color 76.6481, 83.2491,



# 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

76.6481, 83.2491, 106.6366

### Protanopia

80.6413, 82.7985, 103.8269

### Deuteranopia

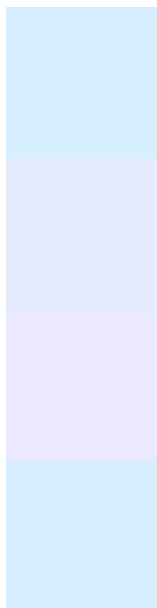
84.0753, 82.8515, 106.1684



## Tritanopia

77.2398, 83.1208, 106.5807

# Trichromacy



## Original Color

76.6481, 83.2491, 106.6366

## Protanomaly

79.1165, 82.8394, 104.7482

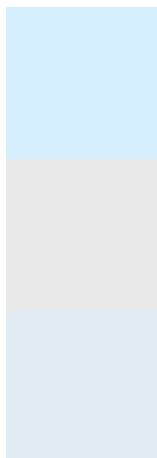
## Deuteranomaly

81.1206, 82.9903, 106.3509

## Tritanomaly

76.9434, 82.9680, 106.5668

# Monochromacy



## Original Color

76.6481, 83.2491, 106.6366

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

76.9495, 81.9363, 94.9787

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.6481, 83.2491, 106.6366 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(214, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(214, 239, 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(214, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 239, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 76.6481, 83.2491, 106.6366 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(214, 239, 255) }
```



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

```
.border{ border-color:rgb(214, 239, 255) }
```

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

Here you see how a box with a 4 pixel rgb(214, 239, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(214, 239,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.6481, 83.2491, 106.6366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 239, 255) }
```

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

```
.background{ background-color: rgb(214,  
239, 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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