

# Converting Colors

XYZ(76.8267, 81.2199,  
106.2355)

Have a look what the booklet for  
XYZ(76.8267, 81.2199, 106.2355)  
contains.

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# Color

**XYZ(76.6862, 81.1257,  
106.2248)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBEAFF
RGB	219, 234, 255
RGB Percent	86%, 92%, 100%
CMY	0.1412, 0.0823, 0.0000
CMYK	0.14, 0.08, 0.00, 0.00
HSL	215°, 100%, 93%
HSV	215°, 14%, 100%
XYZ	76.6862, 81.1257, 106.2248
YIQ	231.9090, -15.6810, 3.3510

# Conversions

## Conversions Part 2

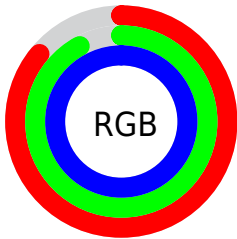
Format	Color
R <sub>Y</sub> B	219, 230, 255
Decimal	14412543
CIE Lab	92.19, -0.85, -11.83
CIE LCh	92, 11.859, 265.885
Yxy	81.1257, 0.2904, 0.3073
Android (android.graphics.Color)	4292602623 (0xFFDBEAFF)
YUV	231.9090, 11.3839, -11.3212
Hunter-Lab	90.0698, -5.6457, -6.8754

# Details

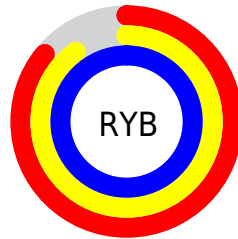
The XYZ color **76.6862, 81.1257, 106.2248** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.1857, 88.6930, 79.6491**, and the grayscale version is **76.5615, 80.5486, 87.7175**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4233, 43.8105, 59.6991** is the 20% darker color. If you saturate the color by 10%, you get **65.5368, 69.3560, 104.5406**, and if you desaturate by 10%, it is **89.3705, 94.2187, 108.0834**.

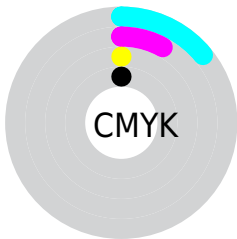
# Distribution



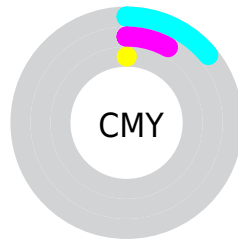
- Red (86%)
- Green (92%)
- Blue (100%)



- Red (86%)
- Yellow (90%)
- Blue (100%)



- Cyan (14%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6862, 81.1257, 106.2248 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 76.6862, 81.1257, 106.2248 by changing the saturation by 10% instead.



■ 76.6862, 81.1257,  
106.2248

■ 76.6862, 81.1257,  
106.2248

472.6018,  
498.7185, 601.3872

■ 57.2944, 60.6451,  
80.8635

127.6716,  
134.9473, 171.8117

■ 41.4827, 43.9388,  
59.8988

159.9959,  
169.0570, 212.8744

■ 28.8858, 30.6224,  
42.9123

197.3618,  
208.4787, 260.0079

■ 19.1383, 20.3115,  
29.4854

240.1346,  
253.5965, 313.6308

■ 11.8748, 12.6217,  
19.1996

288.6796,  
304.7951, 374.1617

■ 6.7301, 7.1686,  
11.6363

343.3623,

■ 3.3387, 3.5677,

362.4586, 442.0190

6.3770

404.5479,  
426.9716, 517.6213

■ 1.3353, 1.4348,  
3.0032

■ 0.2094, 0.2422,  
1.0963

■ 76.6862, 81.1257,  
106.2248

■ 76.6862, 81.1257,  
106.2248

■ 65.5368, 69.3560,  
104.5406

■ 89.3705, 94.2187,  
108.0834

■ 55.8538, 58.8548,  
103.0240

95.0500, 100.0000,  
108.9000

■ 47.5729, 49.5778,  
101.6698

■ 40.6224, 41.4739,  
100.4720

■ 34.9232, 34.4880,  
99.4239

■ 30.3874, 28.5593,  
98.5187

■ 26.9139, 23.6197,  
97.7483

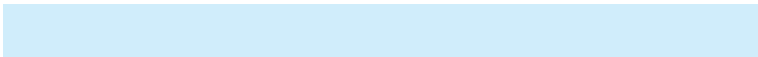
■ 24.3808, 19.5892,  
97.1038

■ 23.2326, 17.5853,  
96.7775

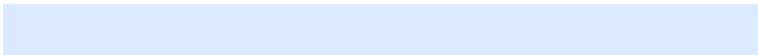
# Harmonies

## Analogous

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



73.8550, 81.1257, 103.0279



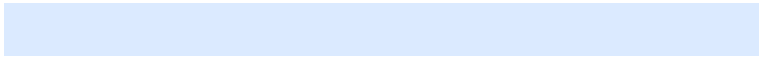
76.6862, 81.1257, 106.2248



79.7044, 81.1257, 104.3732

# Triad

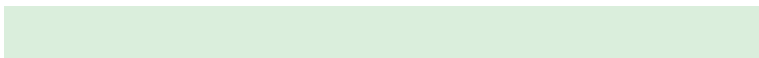
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.6862, 81.1257, 106.2248



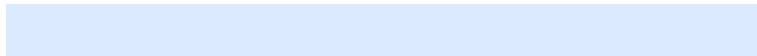
82.5222, 81.1257, 81.1790



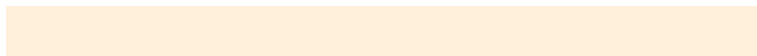
72.3389, 81.1257, 79.2158

# Complementary

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



76.6862, 81.1257, 106.2248



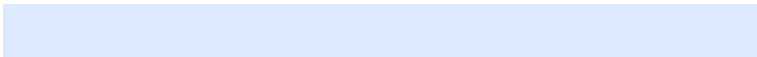
85.1857, 88.6930, 79.6491

# Split Complementary

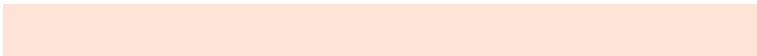
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.5677, 81.1257, 74.0250



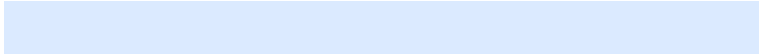
76.6862, 81.1257, 106.2248



80.4542, 81.1257, 75.1047

# Square

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



76.6862, 81.1257, 106.2248



83.1253, 81.1257, 89.5465



77.5304, 81.1257, 72.5707

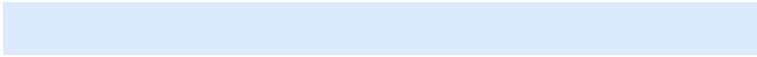


71.3875, 81.1257, 87.1287



# Rectangle

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



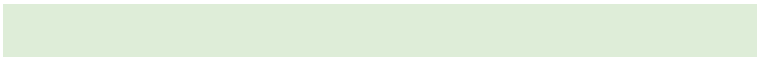
76.6862, 81.1257, 106.2248



81.4087, 81.1257, 100.5866



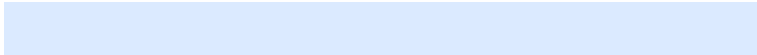
77.5304, 81.1257, 72.5707



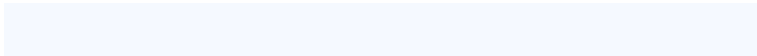
72.9606, 81.1257, 77.1157

# Sweetspot

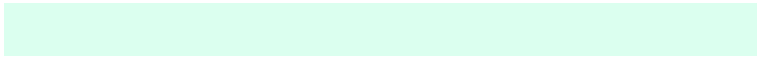
The Sweet Spot groups the original color and five complimentary colors.



76.6884, 81.1290, 106.2253



89.5279, 94.3795, 108.1062



80.6134, 92.8361, 95.6427



18.9465, 19.9801, 23.1079



0.0000, 0.0000, 0.0000

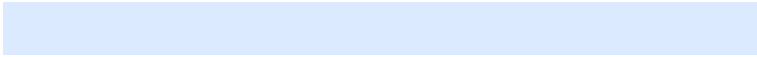


20.3446, 21.4041, 23.3091

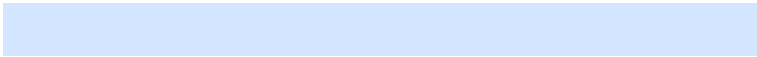


# Same Dimension

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



76.6884, 81.1290, 106.2253



73.3187, 77.6014, 105.7220



73.3235, 73.3195, 104.8953



17.6250, 18.6216, 22.9153



12.2788, 9.4672, 50.6148



1.3004, 1.1316, 4.9631



# Inverse Universe

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



81.4241, 77.8650, 88.5837



78.9393, 73.8695, 84.7525



88.9091, 97.4423, 81.1416



18.3234, 18.1127, 20.3200



22.9860, 11.6837, 8.5766

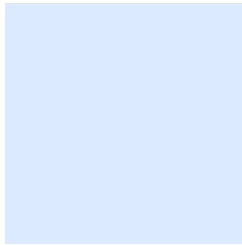


2.2910, 1.1588, 1.1139



# Previews

## White Background



This preview shows how the XYZ color 76.6862, 81.1257, 106.2248 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

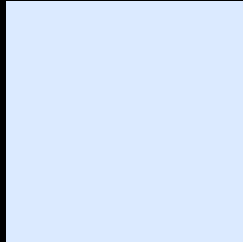
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.6862, 81.1257, 106.2248 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

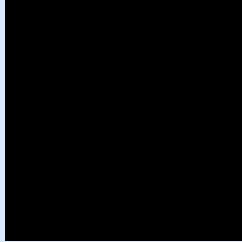
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

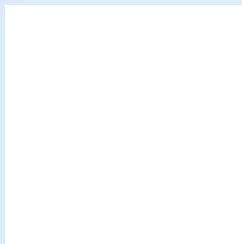
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 76.6862, 81.1257, 106.2248

## Background



This preview shows how black text looks on a background with the XYZ color 76.6862, 81.1257, 106.2248.



This preview shows how white text looks on a background with the XYZ color 76.6862, 81.1257,



# 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

76.6862, 81.1257, 106.2248

### Protanopia

78.9387, 81.0667, 104.4154

### Deuteranopia

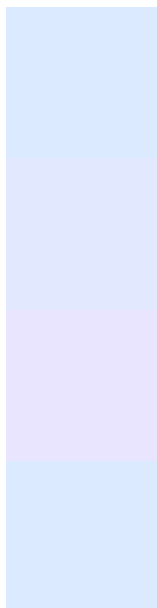
82.2085, 80.6674, 105.8453



## **Tritanopia**

76.3659, 80.9976, 104.5377

# Trichromacy



## Original Color

76.6862, 81.1257, 106.2248

## Protanomaly

78.1100, 81.0377, 105.2909

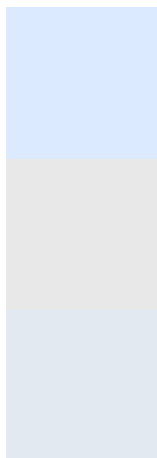
## Deuteranomaly

80.0010, 80.7510, 105.9777

## Tritanomaly

76.5256, 81.0615, 105.3790

# Monochromacy



## Original Color

76.6862, 81.1257, 106.2248

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.5456, 80.9000, 94.0189

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.6862, 81.1257, 106.2248 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(219, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 234, 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(219, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 234, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 76.6862, 81.1257, 106.2248 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(219, 234, 255) }
```



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

```
.border{ border-color:rgb(219, 234, 255) }
```

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

Here you see how a box with a 4 pixel rgb(219, 234, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 234,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.6862, 81.1257, 106.2248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 234, 255) }
```

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

```
.background{ background-color: rgb(219,  
234, 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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