

# Converting Colors

XYZ(78.7702, 81.0748,  
121.4895)

Have a look what the booklet for  
XYZ(78.7702, 81.0748, 121.4895)  
contains.

<b>XYZ(75.8201, 79.8387, 106.0220)</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(75.8201, 79.8387,  
106.0220)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAE8FF
RGB	218, 232, 255
RGB Percent	85%, 91%, 100%
CMY	0.1451, 0.0902, 0.0000
CMYK	0.15, 0.09, 0.00, 0.00
HSL	217°, 100%, 93%
HSV	217°, 15%, 100%
XYZ	75.8201, 79.8387, 106.0220
YIQ	230.4360, -15.7270, 4.1850

# Conversions

## Conversions Part 2

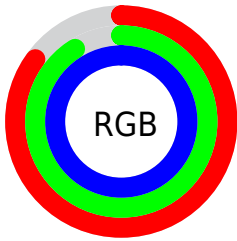
Format	Color
R <sub>Y</sub> B	218, 228, 255
Decimal	14346495
CIE Lab	91.61, -0.13, -12.69
CIE LCh	92, 12.695, 269.410
Yxy	79.8387, 0.2897, 0.3051
Android (android.graphics.Color)	4292536575 (0xFFDAE8FF)
YUV	230.4360, 12.1101, -10.9064
Hunter-Lab	89.3525, -4.9006, -7.8043

# Details

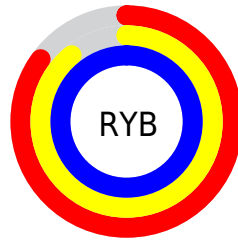
The XYZ color **75.8201, 79.8387, 106.0220** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.3497, 89.2311, 79.0563**, and the grayscale version is **75.4600, 79.3898, 86.4555**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.8226, 42.9144, 59.5578** is the 20% darker color. If you saturate the color by 10%, you get **64.5116, 67.6840, 104.2719**, and if you desaturate by 10%, it is **88.7083, 93.4093, 107.9621**.

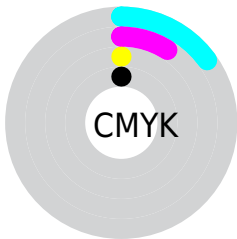
# Distribution



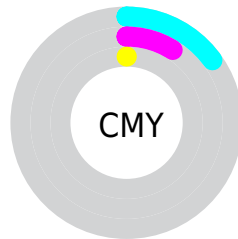
- Red (85%)
- Green (91%)
- Blue (100%)



- Red (85%)
- Yellow (89%)
- Blue (100%)



- Cyan (15%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8201, 79.8387, 106.0220 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 75.8201, 79.8387, 106.0220 by changing the saturation by 10% instead.



■ 75.8201, 79.8387,  
106.0220

■ 75.8201, 79.8387,  
106.0220

469.6855,  
494.3891, 600.7428

■ 56.5815, 59.5856,  
80.6944

126.4543,  
133.1389, 171.5323

■ 40.9082, 43.0847,  
59.7604

158.5806,  
166.9549, 212.5520

■ 28.4347, 29.9516,  
42.8015

195.7336,  
206.0606, 259.6395

■ 18.7957, 19.8019,  
29.3992

238.2786,  
250.8404, 313.2133

■ 11.6259, 12.2511,  
19.1348

286.5809,  
301.6788, 373.6921

■ 6.5599, 6.9149,  
11.5899

341.0059,

■ 3.2323, 3.4089,

358.9601, 441.4942

6.3460

401.9190,  
423.0687, 517.0383

■ 1.2777, 1.3488,  
2.9844

■ 0.1665, 0.1785,  
1.0867

■ 75.8201, 79.8387,  
106.0220

■ 75.8201, 79.8387,  
106.0220

■ 64.5116, 67.6840,  
104.2719

■ 88.7083, 93.4093,  
107.9621

■ 54.7124, 56.8868,  
102.7043

95.0500, 100.0000,  
108.9000

■ 46.3560, 47.3986,  
101.3134

■ 39.3682, 39.1640,  
100.0922

■ 33.6676, 32.1231,  
99.0337

■ 29.1633, 26.2101,  
98.1297

■ 25.7509, 21.3512,  
97.3717

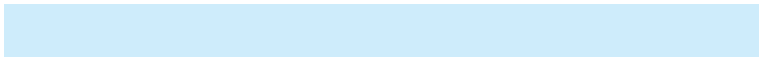
■ 23.3045, 17.4602,  
96.7496

■ 22.2797, 15.6793,  
96.4599

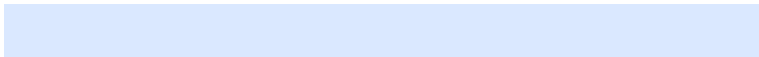
# Harmonies

## Analogous

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



72.7576, 79.8387, 103.2135



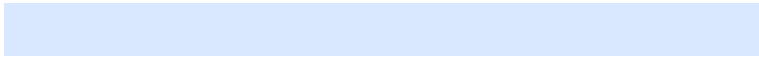
75.8201, 79.8387, 106.0220



78.9851, 79.8387, 103.4198

# Triad

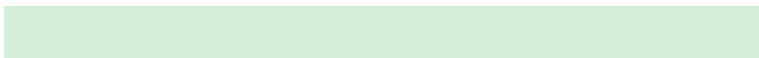
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8201, 79.8387, 106.0220



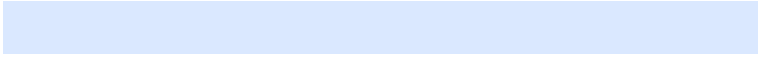
81.4423, 79.8387, 78.4598



70.6463, 79.8387, 78.1627

# Complementary

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



75.8201, 79.8387, 106.0220



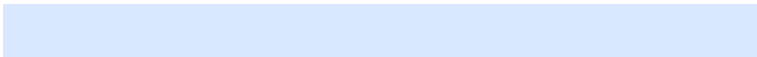
85.3497, 89.2311, 79.0563

# Split Complementary

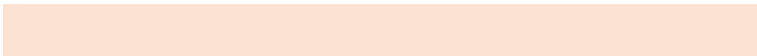
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.8658, 79.8387, 72.2947



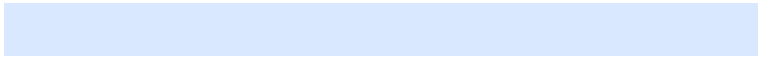
75.8201, 79.8387, 106.0220



79.0993, 79.8387, 72.4575

# Square

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



75.8201, 79.8387, 106.0220



82.2865, 79.8387, 87.1148



75.9485, 79.8387, 70.2810

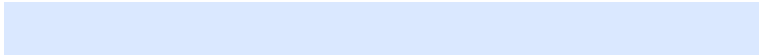


69.8231, 79.8387, 86.7470



# Rectangle

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



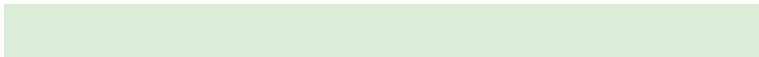
75.8201, 79.8387, 106.0220



80.7146, 79.8387, 99.0652



75.9485, 79.8387, 70.2810



71.2506, 79.8387, 75.8301

# Sweetspot

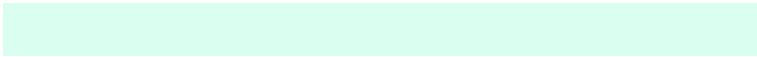
The Sweet Spot groups the original color and five complimentary colors.



75.8222, 79.8419, 106.0225



89.4073, 94.1382, 108.0660



80.5241, 92.7658, 96.7378



18.9160, 19.9191, 23.0977



0.0000, 0.0000, 0.0000

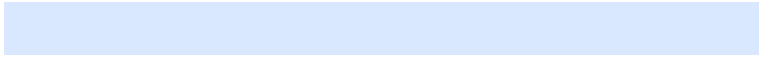


20.3446, 21.4041, 23.3091



# Same Dimension

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



75.8222, 79.8419, 106.0225



72.8596, 76.6832, 105.5690



73.3440, 72.9441, 104.8217



17.5664, 18.5044, 22.8958



11.7737, 8.4571, 50.4464



1.2476, 1.0259, 4.9455



# Inverse Universe

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



80.8783, 77.2306, 86.9920



78.7076, 73.7768, 83.5322



88.0850, 97.0326, 80.4180



18.2938, 18.1008, 20.1642



22.7310, 11.5817, 7.2341

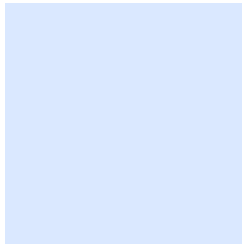


2.2643, 1.1481, 0.9734



# Previews

## White Background



This preview shows how the XYZ color 75.8201, 79.8387, 106.0220 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

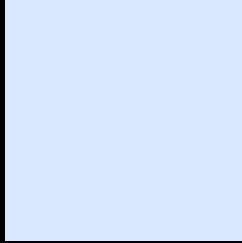
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.8201, 79.8387, 106.0220 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

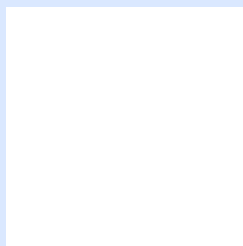
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.8201, 79.8387, 106.0220

## Background



This preview shows how black text looks on a background with the XYZ color 75.8201, 79.8387, 106.0220.



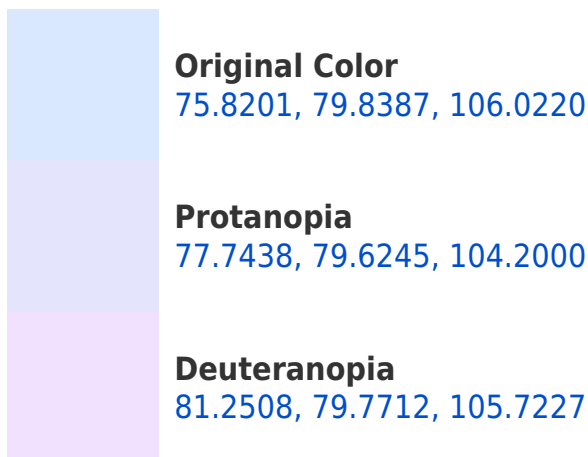
This preview shows how white text looks on a background with the XYZ color 75.8201, 79.8387,



# 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

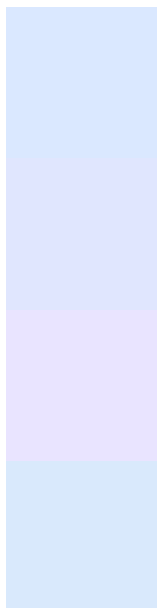




## Tritanopia

75.1668, 79.9946, 102.7456

# Trichromacy



## Original Color

75.8201, 79.8387, 106.0220

## Protanomaly

76.9267, 79.5967, 105.0752

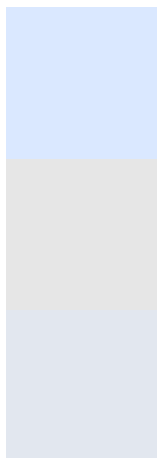
## Deuteranomaly

79.3977, 80.0304, 105.8705

## Tritanomaly

75.3249, 80.0578, 103.5781

# Monochromacy



## Original Color

75.8201, 79.8387, 106.0220

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.5199, 79.5526, 93.0362

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.8201, 79.8387, 106.0220 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(218, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 232, 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(218, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 232, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 75.8201, 79.8387, 106.0220 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(218, 232, 255) }
```



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

```
.border{ border-color:rgb(218, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 232,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.8201, 79.8387, 106.0220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 232, 255) }
```

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

```
.background{ background-color: rgb(218,  
232, 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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