

# Converting Colors

XYZ(75.1198, 79.0234,  
104.7704)

Have a look what the booklet for  
XYZ(75.1198, 79.0234, 104.7704)  
contains.

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# Color

**XYZ(75.0806, 79.0593,  
105.0687)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9E7FE
RGB	217, 231, 254
RGB Percent	85%, 91%, 100%
CMY	0.1490, 0.0941, 0.0039
CMYK	0.15, 0.09, 0.00, 0.00
HSL	217°, 95%, 92%
HSV	217°, 15%, 100%
XYZ	75.0806, 79.0593, 105.0687
YIQ	229.4360, -15.7270, 4.1850

# Conversions

## Conversions Part 2

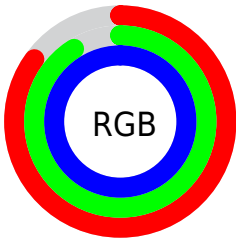
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	217, 227, 254
Decimal	14280702
CIE Lab	91.26, -0.13, -12.70
CIE LCh	91, 12.704, 269.418
Yxy	79.0593, 0.2897, 0.3050
Android (android.graphics.Color)	4292470782 (0xFFD9E7FE)
YUV	229.4360, 12.1101, -10.9064
Hunter-Lab	88.9153, -4.8753, -7.8206

# Details

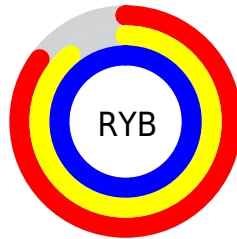
The XYZ color **75.0806, 79.0593, 105.0687** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.5581, 88.4006, 78.2537**, and the grayscale version is **74.7211, 78.6124, 85.6089**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3083, 42.3725, 58.8776** is the 20% darker color. If you saturate the color by 10%, you get **63.8832, 67.0223, 103.3368**, and if you desaturate by 10%, it is **87.8432, 92.4990, 106.9914**.

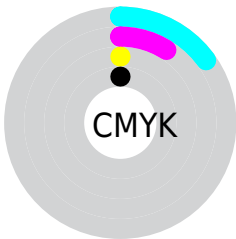
# Distribution



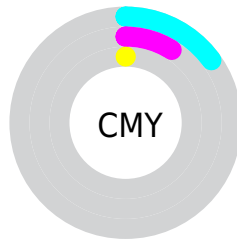
- Red (85%)
- Green (91%)
- Blue (100%)



- 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 75.0806, 79.0593, 105.0687 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 75.0806, 79.0593, 105.0687 by changing the saturation by 10% instead.



■ 75.0806, 79.0593,  
105.0687

■ 75.0806, 79.0593,  
105.0687

467.1875,  
491.7569, 597.7089

■ 55.9733, 58.9446,  
79.8999

125.4137,  
132.0423, 170.2179

■ 40.4185, 42.5685,  
59.1103

157.3703,  
165.6794, 211.0354

■ 28.0506, 29.5467,  
42.2813

194.3407,  
204.5928, 257.9062

■ 18.5045, 19.4948,  
28.9944

236.6903,  
249.1668, 311.2488

■ 11.4147, 12.0283,  
18.8311

284.7844,  
299.7858, 371.4819

■ 6.4158, 6.7630,  
11.3727

338.9884,

■ 3.1426, 3.3143,

356.8342, 439.0239

6.2008

399.6676,  
420.6965, 514.2934

■ 1.2296, 1.2979,  
2.8968

■ 0.1295, 0.1396,  
1.0422

■ 75.0806, 79.0593,  
105.0687

■ 75.0806, 79.0593,  
105.0687

■ 63.8832, 67.0223,  
103.3368

■ 87.8432, 92.4990,  
106.9914

■ 54.1805, 56.3299,  
101.7843

94.8896, 99.9359,  
108.0555

■ 45.9070, 46.9341,  
100.4068

■ 38.9889, 38.7801,  
99.1975

■ 33.3456, 31.8083,  
98.1493

■ 28.8871, 25.9538,  
97.2542

■ 25.5100, 21.1432,  
96.5037

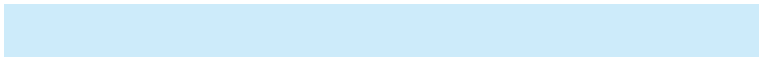
■ 23.0894, 17.2911,  
95.8877

■ 22.0842, 15.5451,  
95.6037

# Harmonies

## Analogous

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



72.0357, 79.0593, 102.2765



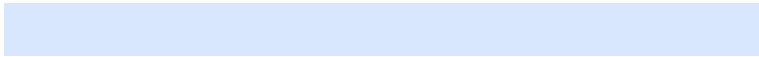
75.0806, 79.0593, 105.0687



78.2274, 79.0593, 102.4787

# Triad

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



75.0806, 79.0593, 105.0687



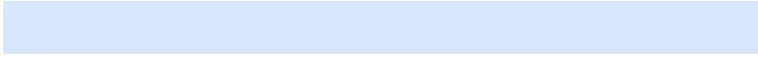
80.6696, 79.0593, 77.6589



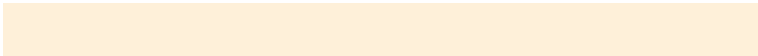
69.9357, 79.0593, 77.3679

# Complementary

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



75.0806, 79.0593, 105.0687



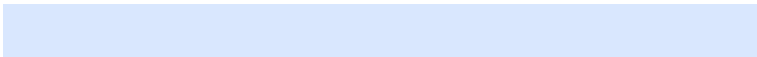
84.5581, 88.4006, 78.2537

# 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.



72.1417, 79.0593, 71.5350



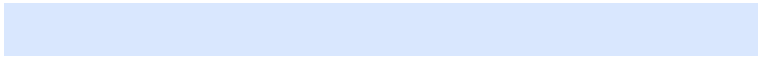
75.0806, 79.0593, 105.0687



78.3394, 79.0593, 71.6944

# Square

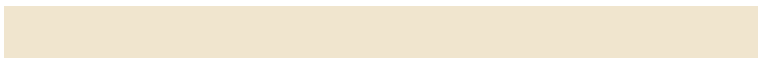
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.0806, 79.0593, 105.0687



81.5096, 79.0593, 86.2624



75.2064, 79.0593, 69.5328

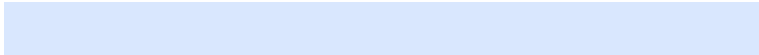


69.1178, 79.0593, 85.9021



# Rectangle

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



75.0806, 79.0593, 105.0687



79.9470, 79.0593, 98.1467



75.2064, 79.0593, 69.5328



70.5363, 79.0593, 75.0491

# Sweetspot

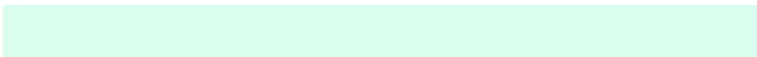
The Sweet Spot groups the original color and five complimentary colors.



75.0830, 79.0626, 105.0705



89.4072, 94.1380, 108.0659



79.7595, 91.9171, 95.8348



18.9160, 19.9190, 23.0977



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

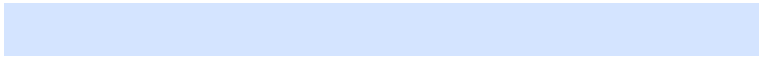


# Same Dimension

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



75.0830, 79.0626, 105.0705



72.8594, 76.6828, 105.5689



72.6192, 72.2051, 103.8767



17.5663, 18.5043, 22.8958



11.7735, 8.4566, 50.4463



1.2476, 1.0258, 4.9455



# Inverse Universe

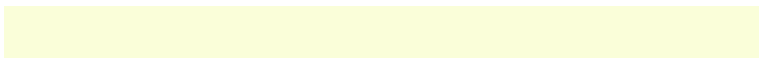
The Inverse Universe completely reimagines the original color for something new.



80.1116, 76.4679, 86.1425



78.7075, 73.7767, 83.5316



87.2785, 96.1603, 79.6081



18.2938, 18.1008, 20.1641



22.7309, 11.5817, 7.2335

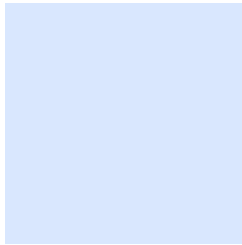


2.2643, 1.1481, 0.9733



# Previews

## White Background



This preview shows how the XYZ color 75.0806, 79.0593, 105.0687 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

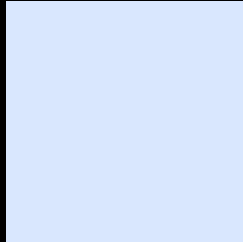
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.0806, 79.0593, 105.0687 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

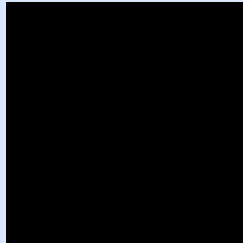
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

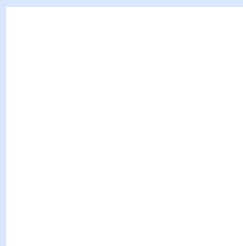
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.0806, 79.0593, 105.0687**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.0806, 79.0593, 105.0687.



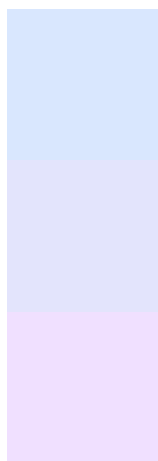
This preview shows how white text looks on a background with the XYZ color 75.0806, 79.0593,



# 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

75.0806, 79.0593, 105.0687

### Protanopia

76.9926, 78.8460, 103.2563

### Deuteranopia

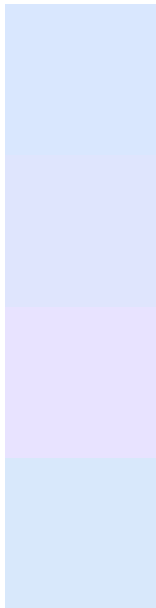
80.6408, 79.0566, 105.6170



## Tritanopia

74.4308, 79.2143, 101.8094

# Trichromacy



## Original Color

75.0806, 79.0593, 105.0687

## Protanomaly

76.1804, 78.8184, 104.1269

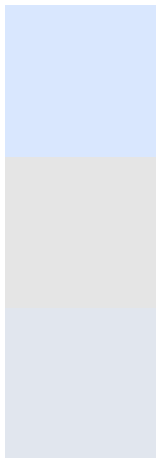
## Deuteranomaly

78.7978, 79.3140, 105.7638

## Tritanomaly

74.5881, 79.2772, 102.6376

# Monochromacy



## Original Color

75.0806, 79.0593, 105.0687

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

74.7808, 78.7742, 92.1525

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.0806, 79.0593, 105.0687 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(217, 231, 254)` looks like.

```
.text, #text, p{  
    color:rgb(217, 231, 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(217, 231, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 231, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 75.0806, 79.0593, 105.0687 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(217, 231, 254) }
```



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

```
.border{ border-color:rgb(217, 231, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 231, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 231, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 231, 254);  
box-shadow:4px 4px 4px 4px rgb(217, 231,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.0806, 79.0593, 105.0687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 231, 254) }
```

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

```
.background{ background-color: rgb(217,  
231, 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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