

# Converting Colors

XYZ(80.1691, 85.8672,  
106.2290)

Have a look what the booklet for  
XYZ(80.1691, 85.8672, 106.2290)  
contains.

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# Color

**XYZ(80.0852, 85.9136,  
106.1280)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0F1FE
RGB	224, 241, 254
RGB Percent	88%, 95%, 100%
CMY	0.1216, 0.0549, 0.0039
CMYK	0.12, 0.05, 0.00, 0.00
HSL	206°, 94%, 94%
HSV	206°, 12%, 100%
XYZ	80.0852, 85.9136, 106.1280
YIQ	237.3990, -14.3050, 0.4390

# Conversions

## Conversions Part 2

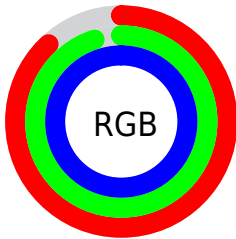
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 235, 254
Decimal	14742014
CIE Lab	94.28, -3.07, -8.17
CIE LCh	94, 8.727, 249.390
Yxy	85.9136, 0.2943, 0.3157
Android (android.graphics.Color)	4292932094 (0xFFE0F1FE)
YUV	237.3990, 8.1843, -11.7509
Hunter-Lab	92.6896, -7.9801, -3.0033

# Details

The XYZ color **80.0852, 85.9136, 106.1280** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.6124, 87.0209, 82.8599**, and the grayscale version is **80.7526, 84.9580, 92.5192**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7892, 47.1642, 59.6190** is the 20% darker color. If you saturate the color by 10%, you get **69.6346, 75.8379, 104.7353**, and if you desaturate by 10%, it is **91.9136, 96.9963, 107.6451**.

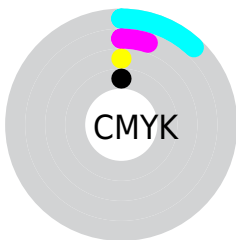
# Distribution



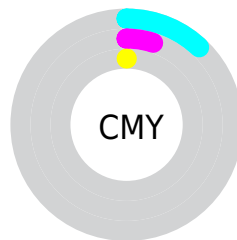
- Red (88%)
- Green (95%)
- Blue (100%)



- Red (88%)
- Yellow (92%)
- Blue (100%)



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.0852, 85.9136, 106.1280 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 80.0852, 85.9136, 106.1280 by changing the saturation by 10% instead.



80.0852, 85.9136,  
106.1280

80.0852, 85.9136,  
106.1280

483.9521,  
514.6463, 601.0797

60.0972, 64.5965,  
80.7828

132.4354,  
141.6489, 171.6783

43.7467, 47.1340,  
59.8327

165.5283,  
176.8359, 212.7205

30.6685, 33.1416,  
42.8594

203.7202,  
217.4151, 259.8321

20.4971, 22.2349,  
29.4442

247.3764,  
263.7707, 313.4316

12.8673, 14.0296,  
19.1687

296.8624,  
316.2873, 373.9375

7.4136, 8.1413,  
11.6142

352.5434,

3.7707, 4.1855,

375.3491, 441.7685

6.3622

414.7849,  
441.3407, 517.3430

■ 1.5732, 1.7779,  
2.9942

■ 0.3749, 0.4733,  
1.0917

■ 80.0852, 85.9136,  
106.1280

■ 80.0852, 85.9136,  
106.1280

■ 69.6346, 75.8379,  
104.7353

■ 91.9136, 96.9963,  
107.6451

■ 60.4987, 66.7246,  
103.4578

94.8897, 99.9359,  
108.0556

■ 52.6207, 58.5416,  
102.2936

■ 45.9364, 51.2502,  
101.2385

■ 40.3753, 44.8087,  
100.2883

■ 35.8587, 39.1707,  
99.4381

■ 32.2967, 34.2839,  
98.6825

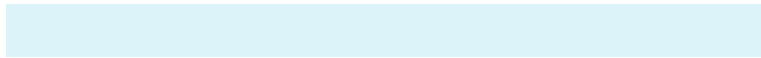
■ 29.5814, 30.0866,  
98.0155

■ 27.8570, 27.0905,  
97.5281

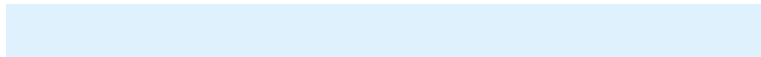
# Harmonies

## Analogous

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



78.2312, 85.9136, 101.9604



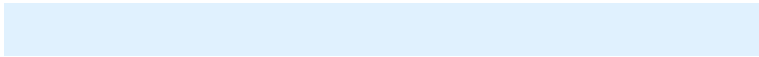
80.0852, 85.9136, 106.1280



82.3943, 85.9136, 106.8387

# Triad

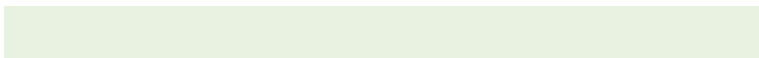
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.0852, 85.9136, 106.1280



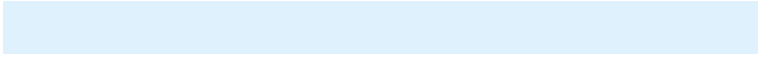
86.1768, 85.9136, 91.4594



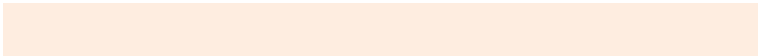
78.8371, 85.9136, 83.9387

# Complementary

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



80.0852, 85.9136, 106.1280



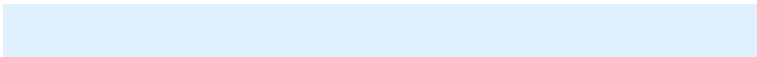
84.6124, 87.0209, 82.8599

# Split Complementary

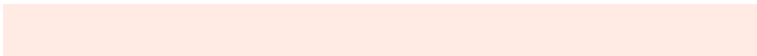
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.9267, 85.9136, 81.4030



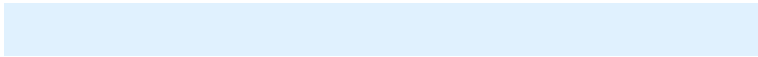
80.0852, 85.9136, 106.1280



85.1841, 85.9136, 85.6065

# Square

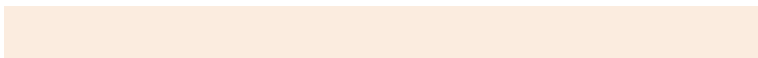
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.0852, 85.9136, 106.1280



85.9411, 85.9136, 98.1535



83.2519, 85.9136, 81.9987

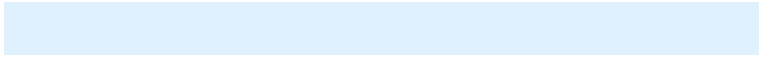


77.5202, 85.9136, 89.0837



# Rectangle

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



80.0852, 85.9136, 106.1280



83.8856, 85.9136, 105.2240



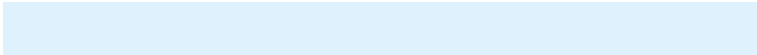
83.2519, 85.9136, 81.9987



79.4708, 85.9136, 82.7643

# Sweetspot

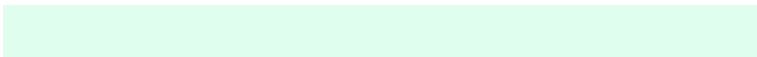
The Sweet Spot groups the original color and five complimentary colors.



80.0877, 85.9172, 106.1299



90.0029, 95.3294, 108.2645



81.3970, 92.8177, 93.3655



19.0666, 20.2204, 23.1480



0.0000, 0.0000, 0.0000

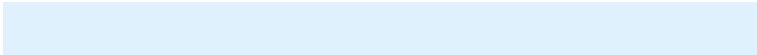


20.3446, 21.4041, 23.3091

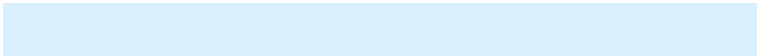


# Same Dimension

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



80.0877, 85.9172, 106.1299



78.3768, 84.3726, 106.7624



75.9641, 77.6699, 104.7554



17.8575, 19.0865, 22.9928



14.8358, 14.5812, 51.4671



1.5532, 1.6371, 5.0474



# Inverse Universe

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



83.4079, 80.7350, 94.4104



82.3088, 78.3433, 92.8590



88.9827, 95.7613, 84.3167



18.4407, 18.1596, 20.9379



24.2766, 12.1999, 15.3731

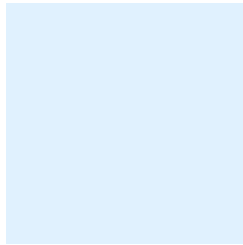


2.4186, 1.2098, 1.7857



# Previews

## White Background



This preview shows how the XYZ color 80.0852, 85.9136, 106.1280 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

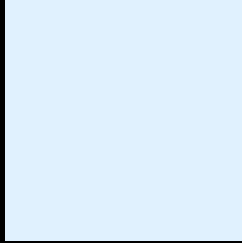
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.0852, 85.9136, 106.1280 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

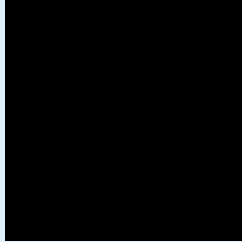
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

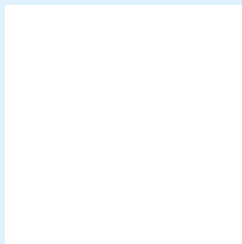
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 80.0852, 85.9136, 106.1280

## Background



This preview shows how black text looks on a background with the XYZ color 80.0852, 85.9136, 106.1280.



This preview shows how white text looks on a background with the XYZ color 80.0852, 85.9136,



# 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

80.0852, 85.9136, 106.1280

### Protanopia

83.2934, 85.8841, 103.4541

### Deuteranopia

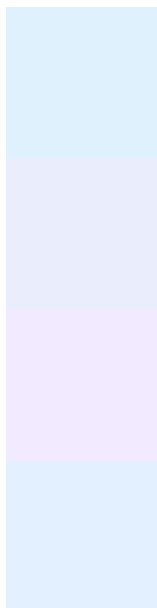
87.4146, 85.8159, 106.5646



## Tritanopia

81.2050, 86.0342, 106.9340

# Trichromacy



## Original Color

80.0852, 85.9136, 106.1280

## Protanomaly

82.0769, 85.6698, 104.3055

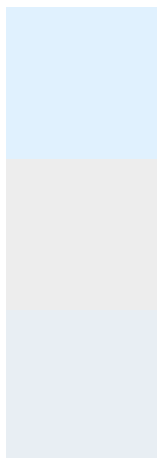
## Deuteranomaly

84.3763, 85.5139, 106.6665

## Tritanomaly

80.8886, 85.8711, 106.9192

# Monochromacy



## Original Color

80.0852, 85.9136, 106.1280

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

80.0309, 84.7759, 96.9393

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.0852, 85.9136, 106.1280 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(224, 241, 254)` looks like.

```
.text, #text, p{  
    color:rgb(224, 241, 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(224, 241, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 241, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 80.0852, 85.9136, 106.1280 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(224, 241, 254) }
```



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

```
.border{ border-color:rgb(224, 241, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 241, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 241, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 241, 254);  
box-shadow:4px 4px 4px 4px rgb(224, 241,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.0852, 85.9136, 106.1280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 241, 254) }
```

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

```
.background{ background-color: rgb(224,  
241, 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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