

# Converting Colors

XYZ(68.2996, 77.9197, 95.6427)

Have a look what the booklet for  
XYZ(68.2996, 77.9197, 95.6427)  
contains.

<b>XYZ(68.2706, 77.8710, 95.4368)</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(68.2706, 77.8710,  
95.4368)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2ECF2
RGB	194, 236, 242
RGB Percent	76%, 93%, 95%
CMY	0.2392, 0.0745, 0.0510
CMYK	0.20, 0.02, 0.00, 0.05
HSL	187°, 65%, 85%
HSV	187°, 20%, 95%
XYZ	68.2706, 77.8710, 95.4368
YIQ	224.1260, -26.9580, -7.0380

# Conversions

## Conversions Part 2

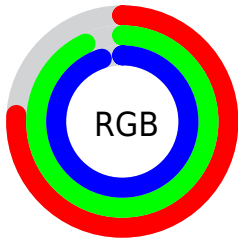
Format	Color
<a href="#">RYB</a>	<a href="#">194, 216, 242</a>
Decimal	<a href="#">12774642</a>
CIELab	<a href="#">90.72, -12.22, -7.40</a>
CIELCh	<a href="#">91, 14.287, 211.201</a>
Yxy	<a href="#">77.8710, 0.2826, 0.3223</a>
Android (android.graphics.Color)	<a href="#">4290964722</a> ( <a href="#">0xFFC2ECF2</a> )
YUV	<a href="#">224.1260, 8.8119, -26.4205</a>
Hunter-Lab	<a href="#">88.2445, -16.3310, -2.3512</a>

# Details

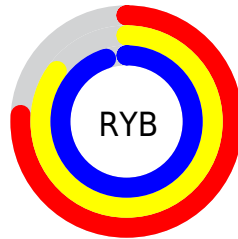
The XYZ color **68.2706, 77.8710, 95.4368** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.0106, 64.0811, 59.8776**, and the grayscale version is **70.8962, 74.5883, 81.2267**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **35.9994, 41.7631, 52.6181** is the 20% darker color. If you saturate the color by 10%, you get **61.6957, 73.2021, 94.8834**, and if you desaturate by 10%, it is **75.8762, 83.0972, 96.0460**.

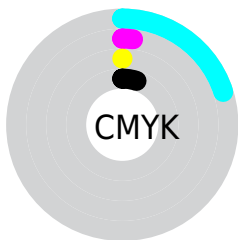
# Distribution



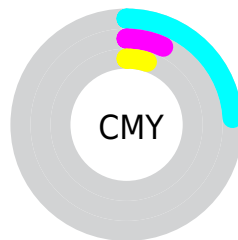
- Red (76%)
- Green (93%)
- Blue (95%)



- Red (76%)
- Yellow (85%)
- Blue (95%)



- Cyan (20%)
- Magenta (2%)
- Yellow (0%)
- Black (5%)



- Cyan (24%)
- Magenta (7%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2706, 77.8710, 95.4368 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 68.2706, 77.8710, 95.4368 by changing the saturation by 10% instead.



68.2706, 77.8710,  
95.4368

68.2706, 77.8710,  
95.4368

443.8159,  
487.7286, 566.5824

50.3924, 57.9680,  
71.8997

115.7790,  
130.3683, 156.8687

35.9444, 41.7829,  
52.5904

146.1398,  
163.7313, 195.6005

24.5611, 28.9314,  
37.0904

181.3923,  
202.3499, 240.2344

15.8774, 19.0289,  
24.9812

221.9017,  
246.6083, 291.1888

9.5277, 11.6912,  
15.8441

268.0334,  
296.8910, 348.8822

5.1468, 6.5338,  
9.2608

320.1527,

2.3693, 3.1723,

353.5823, 413.7333

4.8125

378.6251,  
417.0667, 486.1605

■ 0.8298, 1.2223,  
2.0809

■ 0.0000, 0.0798,  
0.6044

■ 68.2706, 77.8710,  
95.4368

■ 68.2706, 77.8710,  
95.4368

■ 61.6957, 73.2021,  
94.8834

■ 75.8762, 83.0972,  
96.0460

■ 56.0958, 69.0555,  
94.3782

■ 84.5512, 88.8946,  
96.7078

■ 51.4199, 65.4070,  
93.9204

■ 89.9425, 93.0213,  
97.2201

■ 47.6102, 62.2266,  
93.5073

■ 90.8651, 94.8666,  
97.5277

■ 44.6016, 59.4806,  
93.1359

■ 91.8027, 96.7418,  
97.8402

■ 42.3203, 57.1309,  
92.8026

■ 92.7554, 98.6473,  
98.1578

■ 40.6781, 55.1318,  
92.5033

■ 93.0273, 99.1909,  
98.2484

■ 39.5298, 53.4086,  
92.2312

■ 39.5123, 53.3810,  
92.2267

# Harmonies

## Analogous

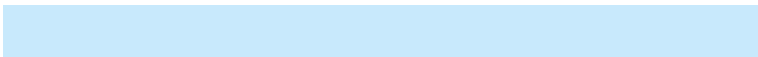
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.3312, 77.8710, 85.2028



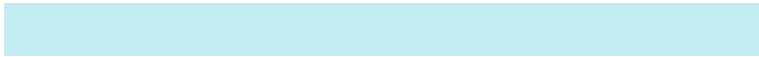
68.2706, 77.8710, 95.4368



70.7413, 77.8710, 103.3001

# Triad

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



68.2706, 77.8710, 95.4368



80.2233, 77.8710, 94.6632



73.8696, 77.8710, 66.5354

# Complementary

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



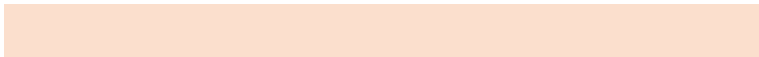
68.2706, 77.8710, 95.4368



67.0106, 64.0811, 59.8776

# 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.



77.3862, 77.8710, 68.6317



68.2706, 77.8710, 95.4368



81.1251, 77.8710, 84.3751

# Square

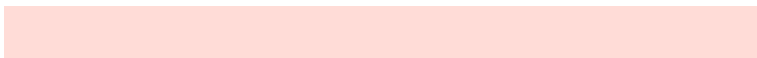
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.2706, 77.8710, 95.4368



77.6444, 77.8710, 102.8287



80.0709, 77.8710, 74.9629



70.4987, 77.8710, 68.9918

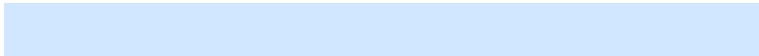


# Rectangle

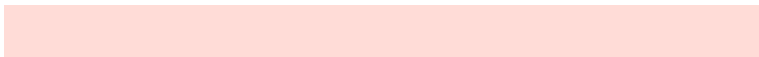
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



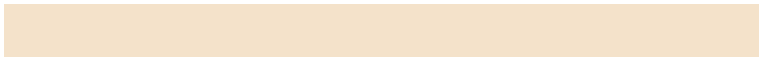
68.2706, 77.8710, 95.4368



72.9641, 77.8710, 105.8422



80.0709, 77.8710, 74.9629



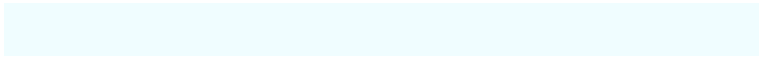
75.0740, 77.8710, 66.7297

# Sweetspot

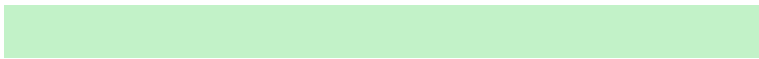
The Sweet Spot groups the original color and five complimentary colors.



68.2729, 77.8742, 95.4386



89.0366, 95.9992, 108.4447



64.3804, 79.1265, 66.2801



18.9232, 20.4577, 23.2013



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

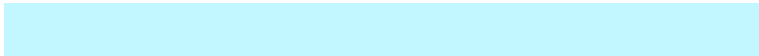


# Same Dimension

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



68.2729, 77.8742, 95.4386



73.6159, 85.4010, 107.2118



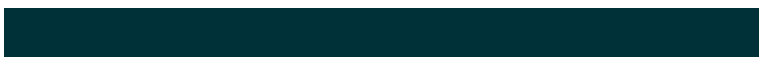
61.9203, 65.1689, 93.3210



16.0690, 17.5722, 20.2664



21.2956, 28.8154, 49.5674



1.8184, 2.4907, 4.1391



# Inverse Universe

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



71.0519, 63.5187, 87.8759



77.3305, 66.4919, 97.0406



72.9052, 75.8703, 61.8424



16.3643, 15.9954, 19.4745



26.0746, 12.7023, 34.6392

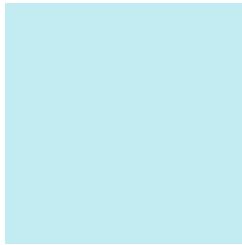


2.1928, 1.0662, 3.0060



# Previews

## White Background



This preview shows how the XYZ color 68.2706, 77.8710, 95.4368 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

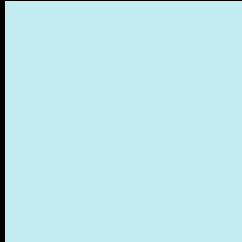
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.2706, 77.8710, 95.4368 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

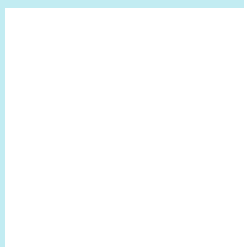
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 68.2706, 77.8710, 95.4368**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.2706, 77.8710, 95.4368.



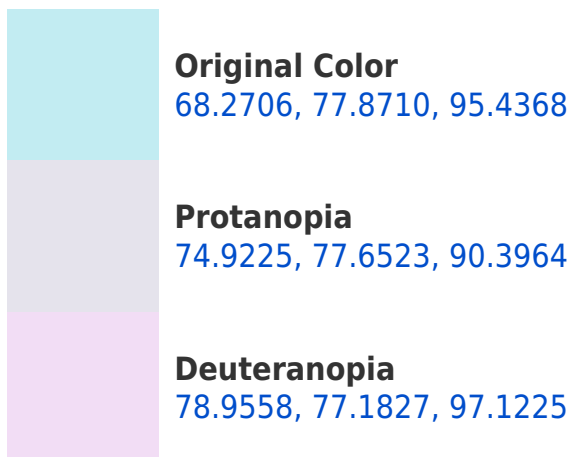
This preview shows how white text looks on a background with the XYZ color 68.2706, 77.8710,

95.4368.

# 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

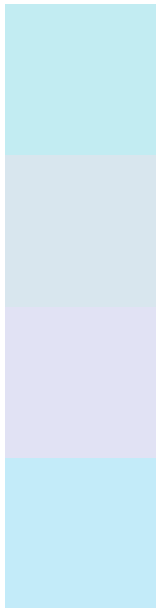




## Tritanopia

69.9174, 77.6732, 104.2359

# Trichromacy



## Original Color

68.2706, 77.8710, 95.4368

## Protanomaly

72.0483, 77.3656, 92.0246

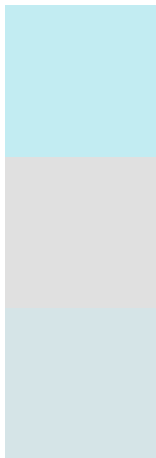
## Deuteranomaly

74.5768, 76.9319, 96.5067

## Tritanomaly

69.3129, 77.8583, 100.9975

# Monochromacy



## Original Color

68.2706, 77.8710, 95.4368

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

69.6078, 75.4025, 86.4867

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.2706, 77.8710, 95.4368 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(194, 236, 242)` looks like.

```
.text, #text, p{  
    color:rgb(194, 236, 242)  
}
```

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(194, 236, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 236, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 68.2706, 77.8710, 95.4368 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(194, 236, 242) }
```



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

```
.border{ border-color:rgb(194, 236, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 236, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 236, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 236, 242);  
box-shadow:4px 4px 4px 4px rgb(194, 236,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.2706, 77.8710, 95.4368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 236, 242) }
```

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

```
.background{ background-color: rgb(194,  
236, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor