

# Converting Colors

XYZ(69.4148, 79.4393, 95.5230)

Have a look what the booklet for  
XYZ(69.4148, 79.4393, 95.5230)  
contains.

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# Color

**XYZ(69.3665, 79.2956,  
95.6540)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4EEF2
RGB	196, 238, 242
RGB Percent	77%, 93%, 95%
CMY	0.2314, 0.0666, 0.0510
CMYK	0.19, 0.02, 0.00, 0.05
HSL	185°, 64%, 86%
HSV	185°, 19%, 95%
XYZ	69.3665, 79.2956, 95.6540
YIQ	225.8980, -26.3160, -7.6600

# Conversions

## Conversions Part 2

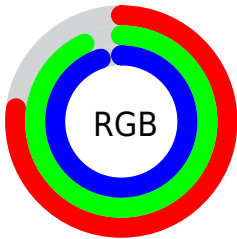
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	196, 218, 242
Decimal	12906226
CIE Lab	91.37, -12.63, -6.43
CIE LCh	91, 14.169, 206.993
Yxy	79.2956, 0.2839, 0.3246
Android (android.graphics.Color)	4291096306 (0xFFC4EEF2)
YUV	225.8980, 7.9383, -26.2205
Hunter-Lab	89.0481, -16.7865, -1.3547

# Details

The XYZ color **69.3665, 79.2956, 95.6540** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.2368, 64.1715, 61.0687**, and the grayscale version is **72.1750, 75.9337, 82.6918**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **36.5754, 42.6638, 52.7616** is the 20% darker color. If you saturate the color by 10%, you get **62.9644, 75.0937, 95.1817**, and if you desaturate by 10%, it is **76.7956, 84.0417, 96.1798**.

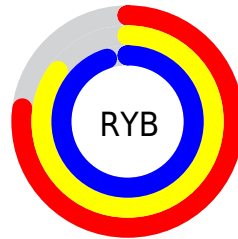
# Distribution



Red (77%)

Green (93%)

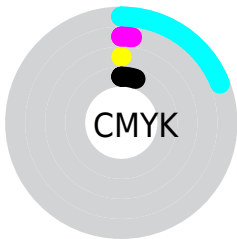
Blue (95%)



Red (77%)

Yellow (85%)

Blue (95%)

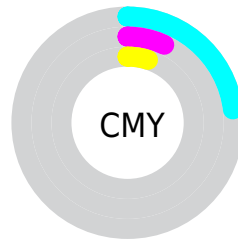


Cyan (19%)

Magenta (2%)

Yellow (0%)

Black (5%)



Cyan (23%)

Magenta (7%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3665, 79.2956, 95.6540 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 69.3665, 79.2956, 95.6540 by changing the saturation by 10% instead.



69.3665, 79.2956,  
95.6540

69.3665, 79.2956,  
95.6540

447.6237,  
492.5558, 567.2943

51.2880, 59.1389,  
72.0795

117.3361,  
132.3749, 157.1712

36.6598, 42.7249,  
52.7364

147.9579,  
166.0663, 195.9509

25.1167, 29.6693,  
37.2061

183.4915,  
205.0381, 240.6362

16.2932, 19.5878,  
25.0701

224.3022,  
249.6745, 291.6456

9.8240, 12.0957,  
15.9098

270.7554,  
300.3602, 349.3975

5.3438, 6.8089,  
9.3067

323.2165,

2.4872, 3.3429,

357.4793, 414.3106

4.8422

382.0508,  
421.4164, 486.8033

■ 0.8888, 1.3133,  
2.0979

■ 0.0000, 0.1514,  
0.6145

■ 69.3665, 79.2956,  
95.6540

■ 69.3665, 79.2956,  
95.6540

■ 62.9644, 75.0937,  
95.1817

■ 76.7956, 84.0417,  
96.1798

■ 57.5339, 71.4011,  
94.7551

■ 85.2902, 89.3457,  
96.7559

■ 53.0245, 68.1940,  
94.3738

■ 89.7122, 92.5609,  
97.1434

■ 49.3788, 65.4426,  
94.0349

■ 90.3497, 93.8357,  
97.3559

46.5326, 63.1139,  
93.7354

90.9943, 95.1251,  
97.5708

44.4128, 61.1701,  
93.4719

91.6463, 96.4290,  
97.7881

42.9328, 59.5665,  
93.2404

92.3055, 97.7475,  
98.0078

41.9620, 58.2357,  
93.0347

92.9721, 99.0806,  
98.2300

41.8768, 58.1100,  
93.0149

93.0273, 99.1909,  
98.2484

# Harmonies

## Analogous

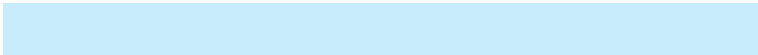
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.6644, 79.2956, 85.3036



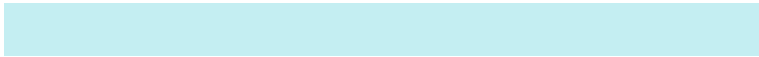
69.3665, 79.2956, 95.6540



71.6597, 79.2956, 104.0550

# Triad

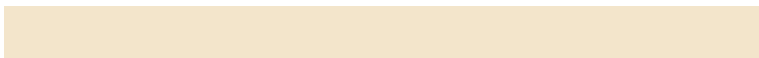
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.3665, 79.2956, 95.6540



81.3236, 79.2956, 97.5957



75.7318, 79.2956, 68.0161

# Complementary

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



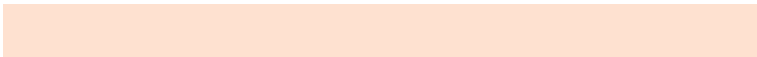
69.3665, 79.2956, 95.6540



67.2368, 64.1715, 61.0687

# 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.



79.2023, 79.2956, 70.7581



69.3665, 79.2956, 95.6540



82.4945, 79.2956, 87.3836

# Square

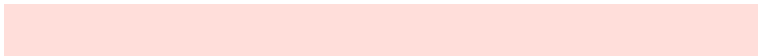
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.3665, 79.2956, 95.6540



78.5539, 79.2956, 105.2373



81.7062, 79.2956, 77.6501



72.2696, 79.2956, 69.8512

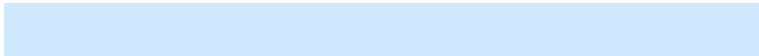


# Rectangle

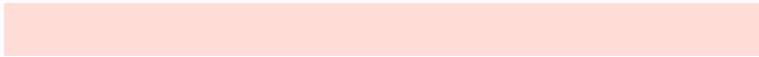
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



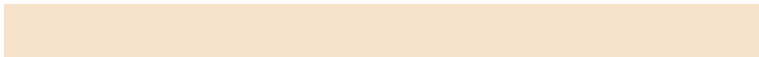
69.3665, 79.2956, 95.6540



73.8208, 79.2956, 107.1325



81.7062, 79.2956, 77.6501



76.9369, 79.2956, 68.4275

# Sweetspot

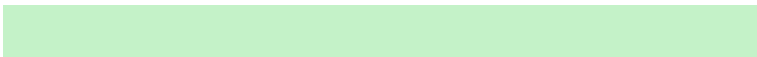
The Sweet Spot groups the original color and five complimentary colors.



69.3688, 79.2989, 95.6558



89.2208, 96.3675, 108.5061



64.9244, 79.4038, 66.4477



18.9668, 20.5450, 23.2159



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.



69.3688, 79.2989, 95.6558



75.0618, 87.3142, 107.5049



63.1364, 66.8340, 93.5783



16.1231, 17.6803, 20.2845



22.5474, 31.3190, 49.9847



1.9100, 2.6739, 4.1697



# Inverse Universe

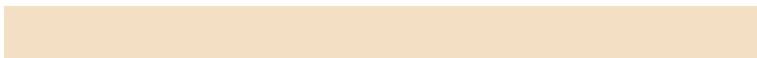
The Inverse Universe completely reimagines the original color for something new.



71.7924, 64.5319, 89.5646



78.2992, 67.7940, 99.3222



72.9263, 75.5506, 62.9652



16.3916, 16.0063, 19.6182



26.7065, 12.9550, 37.9665

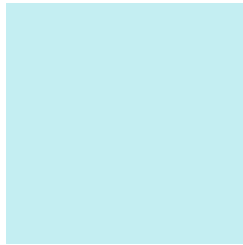


2.2390, 1.0846, 3.2494



# Previews

## White Background



This preview shows how the XYZ color 69.3665, 79.2956, 95.6540 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

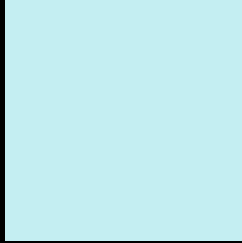
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.3665, 79.2956, 95.6540 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

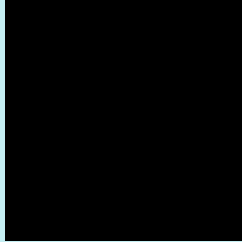
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 69.3665, 79.2956, 95.6540

## Background



This preview shows how black text looks on a background with the XYZ color 69.3665, 79.2956, 95.6540.



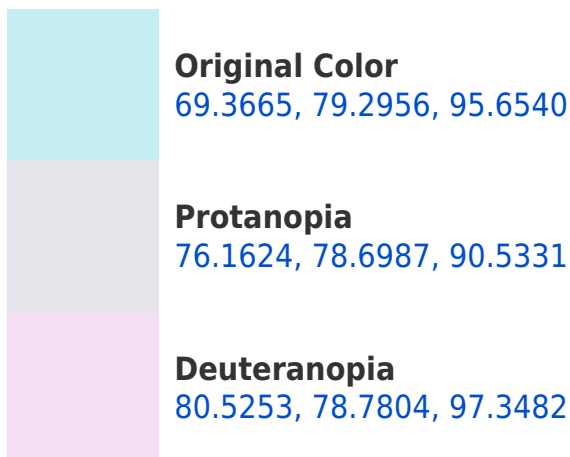
This preview shows how white text looks on a background with the XYZ color 69.3665, 79.2956,

95.6540.

# 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

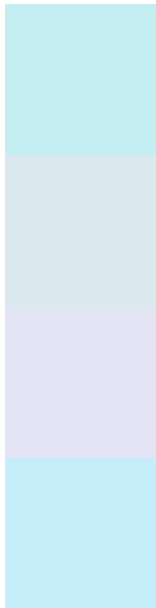




## Tritanopia

71.5986, 79.3530, 106.1508

# Trichromacy



## Original Color

69.3665, 79.2956, 95.6540

## Protanomaly

73.5026, 78.9463, 92.2531

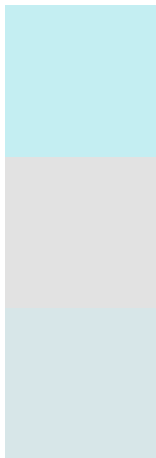
## Deuteranomaly

75.7511, 78.3494, 96.7184

## Tritanomaly

70.8282, 79.4763, 102.0499

# Monochromacy



## Original Color

69.3665, 79.2956, 95.6540

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

70.8866, 76.8669, 87.4446

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.3665, 79.2956, 95.6540 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(196, 238, 242)` looks like.

```
.text, #text, p{  
    color:rgb(196, 238, 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(196, 238, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 238, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 69.3665, 79.2956, 95.6540 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(196, 238, 242) }
```



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

```
.border{ border-color:rgb(196, 238, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 238, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 238, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 238, 242); box-shadow:4px 4px 4px 4px rgb(196, 238, 242) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.3665, 79.2956, 95.6540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 238, 242) }
```

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

```
.background{ background-color: rgb(196,  
238, 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](#).

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