

# Converting Colors

XYZ(65.7810, 68.1335, 93.6884)

Have a look what the booklet for  
XYZ(65.7810, 68.1335, 93.6884)  
contains.

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# Color

**XYZ(65.7810, 68.1335,  
93.6884)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CED7F2
RGB	206, 215, 242
RGB Percent	81%, 84%, 95%
CMY	0.1921, 0.1568, 0.0510
CMYK	0.15, 0.11, 0.00, 0.05
HSL	225°, 58%, 88%
HSV	225°, 15%, 95%
XYZ	65.7810, 68.1335, 93.6884
YIQ	215.3870, -14.0310, 6.4890

# Conversions

## Conversions Part 2

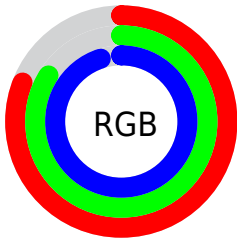
Format	Color
R <sub>Y</sub> B	206, 213, 242
Decimal	13555698
CIE Lab	86.07, 2.30, -14.24
CIE LCh	86, 14.424, 279.187
Yxy	68.1335, 0.2890, 0.2994
Android (android.graphics.Color)	4291745778 (0xFFCED7F2)
YUV	215.3870, 13.1202, -8.2324
Hunter-Lab	82.5430, -2.1983, -9.5155

# Details

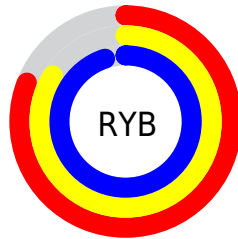
The XYZ color **65.7810, 68.1335, 93.6884** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **76.8977, 81.6108, 70.0934**, and the grayscale version is **64.7759, 68.1492, 74.2145**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.1962, 35.2661, 51.4591** is the 20% darker color. If you saturate the color by 10%, you get **55.2056, 56.1993, 91.9433**, and if you desaturate by 10%, it is **77.9075, 81.6318, 95.6558**.

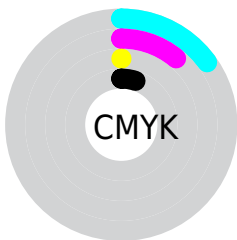
# Distribution



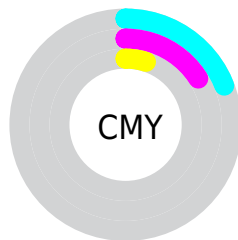
- Red (81%)
- Green (84%)
- Blue (95%)



- Red (81%)
- Yellow (84%)
- Blue (95%)



- Cyan (15%)
- Magenta (11%)
- Yellow (0%)
- Black (5%)



- Cyan (19%)
- Magenta (16%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.7810, 68.1335, 93.6884 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 65.7810, 68.1335, 93.6884 by changing the saturation by 10% instead.



■ 65.7810, 68.1335,  
93.6884

■ 65.7810, 68.1335,  
93.6884

435.0942,  
453.9689, 560.8342

■ 48.3617, 50.0064,  
70.4530

112.2314,  
116.5431, 154.4313

■ 34.3258, 35.4184,  
51.4168

141.9933,  
147.5943, 192.7758

■ 23.3081, 23.9854,  
36.1614

176.6000,  
183.7224, 236.9938

■ 14.9431, 15.3228,  
24.2682

216.4169,  
225.3117, 287.5037

■ 8.8655, 9.0462,  
15.3187

261.8095,  
272.7466, 344.7242

■ 4.7100, 4.7714,  
8.8942

313.1430,

■ 2.1111, 2.1137,

326.4115, 409.0737

4.5764

370.7828,  
386.6908, 480.9709

■ 0.6952, 0.6723,  
1.9466

■ 0.0000, 0.0000,  
0.5221

■ 65.7810, 68.1335,  
93.6884

■ 65.7810, 68.1335,  
93.6884

■ 55.2056, 56.1993,  
91.9433

■ 77.9075, 81.6318,  
95.6558

■ 46.1113, 45.7632,  
90.4083

■ 91.6390, 96.7403,  
97.8483

■ 38.4318, 36.7666,  
89.0765

■ 93.0272, 99.1909,  
98.2481

■ 32.0932, 29.1438,  
87.9393

■ 27.0145, 22.8239,  
86.9871

■ 23.1055, 17.7287,  
86.2096

■ 20.2630, 13.7710,  
85.5955

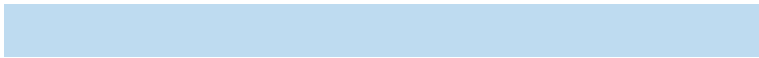
■ 18.3634, 10.8498,  
85.1318

■ 17.6704, 9.6974,  
84.9459

# Harmonies

## Analogous

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



62.5220, 68.1335, 92.5755



65.7810, 68.1335, 93.6884



68.8670, 68.1335, 89.2409

# Triad

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



65.7810, 68.1335, 93.6884



69.8219, 68.1335, 63.2471



58.9860, 68.1335, 67.8914

# Complementary

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



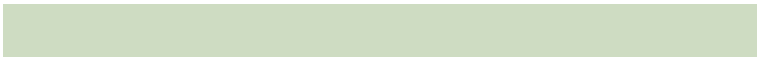
65.7810, 68.1335, 93.6884



76.8977, 81.6108, 70.0934

# 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.



60.8174, 68.1335, 60.9269



65.7810, 68.1335, 93.6884



67.0484, 68.1335, 58.4085

# Square

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



65.7810, 68.1335, 93.6884



71.2519, 68.1335, 71.3116



63.7473, 68.1335, 57.5969



58.6728, 68.1335, 77.1362



# Rectangle

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



65.7810, 68.1335, 93.6884



70.3843, 68.1335, 83.9271



63.7473, 68.1335, 57.5969



59.4414, 68.1335, 65.2290

# Sweetspot

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



65.7831, 68.1363, 93.6899



89.0046, 93.3328, 107.9317



71.8293, 82.4762, 88.7770



18.8143, 19.7157, 23.0638



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.



65.7831, 68.1363, 93.6899



70.1182, 72.2806, 104.8637



65.9480, 64.9112, 93.0587



15.2184, 15.8709, 19.9829



9.5835, 5.3913, 45.6634



0.8737, 0.6014, 3.8242



# Inverse Universe

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



70.9566, 67.9276, 73.6648



77.0601, 72.1080, 77.9694



76.6943, 85.3864, 70.8328



15.9349, 15.8237, 17.2136



20.1629, 10.3376, 3.5086

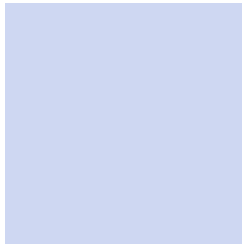


1.7159, 0.8754, 0.4951



# Previews

## White Background



This preview shows how the XYZ color 65.7810, 68.1335, 93.6884 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

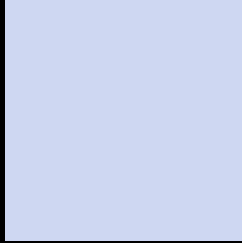
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.7810, 68.1335, 93.6884 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

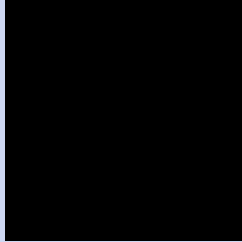
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.7810, 68.1335, 93.6884

## Background



This preview shows how black text looks on a background with the XYZ color 65.7810, 68.1335, 93.6884.



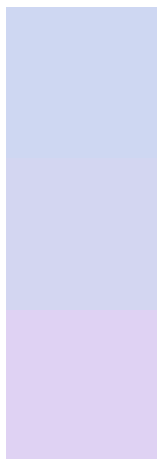
This preview shows how white text looks on a background with the XYZ color 65.7810, 68.1335,



# 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

65.7810, 68.1335, 93.6884

### Protanopia

66.7877, 68.2929, 92.8808

### Deuteranopia

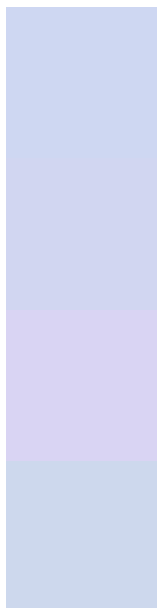
69.6557, 68.2522, 94.2968



## Tritanopia

64.5840, 68.0314, 87.5693

# Trichromacy



## Original Color

65.7810, 68.1335, 93.6884

## Protanomaly

66.2182, 67.9993, 92.8542

## Deuteranomaly

68.3364, 68.3097, 94.3774

## Tritanomaly

65.0188, 68.2053, 89.8588

# Monochromacy



## Original Color

65.7810, 68.1335, 93.6884

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

65.0424, 68.0342, 80.9380

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.7810, 68.1335, 93.6884 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(206, 215, 242)` looks like.

```
.text, #text, p{  
    color:rgb(206, 215, 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(206, 215, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 215, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 65.7810, 68.1335, 93.6884 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".

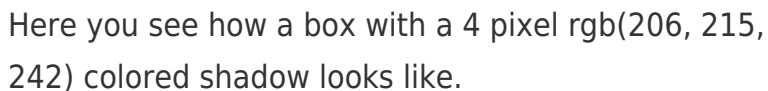
```
.border, #border, table{ border:4px solid rgb(206, 215, 242) }
```



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

```
.border{ border-color:rgb(206, 215, 242) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 215, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 215, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 215, 242); box-shadow:4px 4px 4px 4px rgb(206, 215, 242) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.7810, 68.1335, 93.6884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 215, 242) }
```

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

```
.background{ background-color: rgb(206,  
215, 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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