

# Converting Colors

XYZ(65.0893, 76.9725, 81.2386)

Have a look what the booklet for  
XYZ(65.0893, 76.9725, 81.2386)  
contains.

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# Color

**XYZ(65.0893, 76.9725,  
81.2386)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | BFEDDF                       |
| RGB         | 191, 237, 223                |
| RGB Percent | 75%, 93%, 87%                |
| CMY         | 0.2510, 0.0706, 0.1255       |
| CMYK        | 0.19, 0.00, 0.06, 0.07       |
| HSL         | 162°, 56%, 84%               |
| HSV         | 162°, 19%, 93%               |
| XYZ         | 65.0893, 76.9725, 81.2386    |
| YIQ         | 221.6500, -22.9220, -14.1060 |

# Conversions

## Conversions Part 2

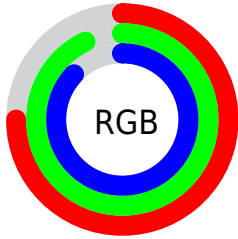
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 191, 218, 237                 |
| Decimal                             | 12578271                      |
| CIELab                              | 90.31, -17.51, 1.89           |
| CIELCh                              | 90, 17.613, 173.827           |
| Yxy                                 | 76.9725, 0.2915,<br>0.3447    |
| Android<br>(android.graphics.Color) | 4290768351<br>(0xFFBFEDDF)    |
| YUV                                 | 221.6500, 0.6655,<br>-26.8801 |
| Hunter-Lab                          | 87.7340, -21.1064,<br>6.5133  |

# Details

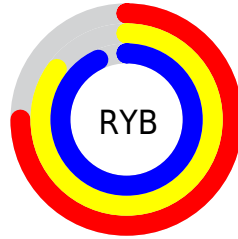
The XYZ color **65.0893, 76.9725, 81.2386** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.5780, 59.6758, 65.8759**, and the grayscale version is **69.1931, 72.7965, 79.2754**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **33.9083, 41.1933, 43.2097** is the 20% darker color. If you saturate the color by 10%, you get **58.6529, 73.7665, 75.9686**, and if you desaturate by 10%, it is **72.5359, 80.6987, 86.7755**.

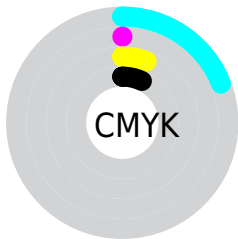
# Distribution



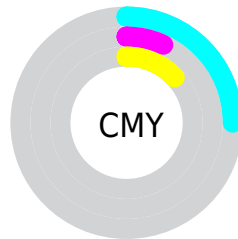
- Red (75%)
- Green (93%)
- Blue (87%)



- Red (75%)
- Yellow (85%)
- Blue (93%)



- Cyan (19%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



- Cyan (25%)
- Magenta (7%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.0893, 76.9725, 81.2386 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 65.0893, 76.9725, 81.2386 by changing the saturation by 10% instead.



65.0893, 76.9725,  
81.2386

65.0893, 76.9725,  
81.2386

432.6529,  
484.6703, 518.9137

47.7985, 57.2303,  
60.2060

111.2432,  
129.1007, 136.9328

33.8779, 41.1902,  
43.1583

140.8370,  
162.2554, 172.4315

22.9623, 28.4677,  
29.6770

175.2625,  
200.6498, 213.5893

14.6862, 18.6785,  
19.3436

214.8851,  
244.6683, 260.8247

8.6843, 11.4382,  
11.7395

260.0700,  
294.6951, 314.5563

4.5913, 6.3624,  
6.4462


311.1828,


2.0418, 3.0667,


351.1148, 375.2027


3.0451


368.5886,  
414.3117, 443.1823

 0.6573, 1.1666,  
1.1177


 0.0000, 0.0342,  
0.0000


 65.0893, 76.9725,  
81.2386


 65.0893, 76.9725,  
81.2386


 58.6529, 73.7665,  
75.9686


 72.5359, 80.6987,  
86.7755

 53.1734, 71.0470,  
70.9556

 81.0300, 84.9579,  
92.5787

 48.6024, 68.7912,  
66.1960

 87.9529, 88.4022,  
98.5300

 44.8844, 66.9704,  
61.6847

 89.0741, 88.8506,  
104.4339

■ 41.9576, 65.5531,  
57.4158

■ 89.5756, 89.0513,  
107.0752

■ 39.7518, 64.5029,  
53.3832

■ 38.1836, 63.7770,  
49.5800

■ 37.1208, 63.3074,  
45.9971

■ 37.0645, 63.2828,  
45.7922

# Harmonies

## Analogous

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



66.5592, 76.9725, 70.3433



65.0893, 76.9725, 81.2386



65.7111, 76.9725, 93.9538

# Triad

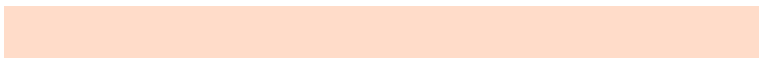
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.0893, 76.9725, 81.2386



76.6212, 76.9725, 107.9108



78.2531, 76.9725, 65.7806

# Complementary

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



65.0893, 76.9725, 81.2386



64.5780, 59.6758, 65.8759

# 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.



81.1517, 76.9725, 74.4239



65.0893, 76.9725, 81.2386



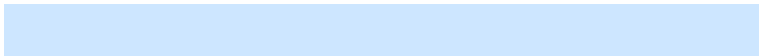
80.1834, 76.9725, 98.8942

# Square

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



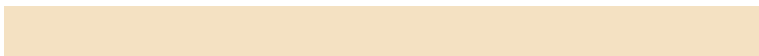
65.0893, 76.9725, 81.2386



72.2566, 76.9725, 110.1981



81.8718, 76.9725, 86.4350



74.0710, 76.9725, 62.0114

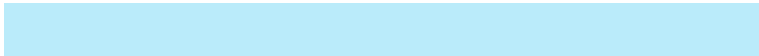


# Rectangle

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



65.0893, 76.9725, 81.2386



67.2411, 76.9725, 101.6785



81.8718, 76.9725, 86.4350



79.4165, 76.9725, 68.1680

# Sweetspot

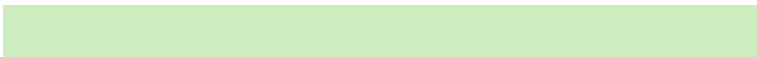
The Sweet Spot groups the original color and five complimentary colors.



65.0915, 76.9757, 81.2403



88.9025, 96.9164, 104.7455



65.0241, 77.3932, 60.8025



18.8915, 20.6753, 22.3246



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

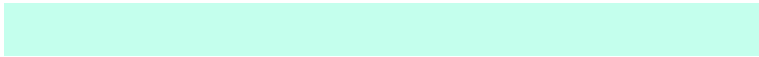


# Same Dimension

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



65.0915, 76.9757, 81.2403



73.9237, 89.4258, 93.5981



64.6739, 72.9929, 90.8050



15.3111, 17.0392, 18.3209



20.2960, 34.5729, 25.3213



1.6362, 2.7318, 2.2119



# Inverse Universe

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



64.5780, 59.6758, 65.8759



73.2225, 65.7634, 72.5887



64.8547, 62.8147, 57.9975



15.2542, 15.1295, 16.6240



19.7601, 10.1067, 4.5378

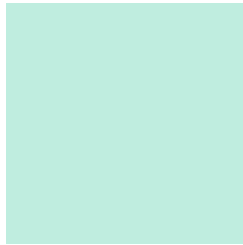


1.5931, 0.8102, 0.5745



# Previews

## White Background



This preview shows how the XYZ color 65.0893, 76.9725, 81.2386 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

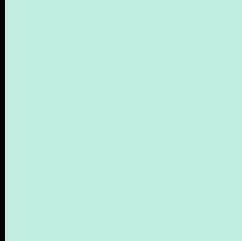
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.0893, 76.9725, 81.2386 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

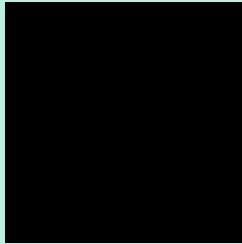
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

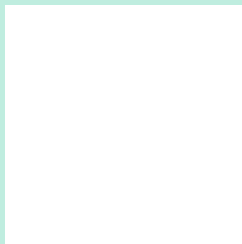
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 65.0893, 76.9725, 81.2386**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.0893, 76.9725, 81.2386.



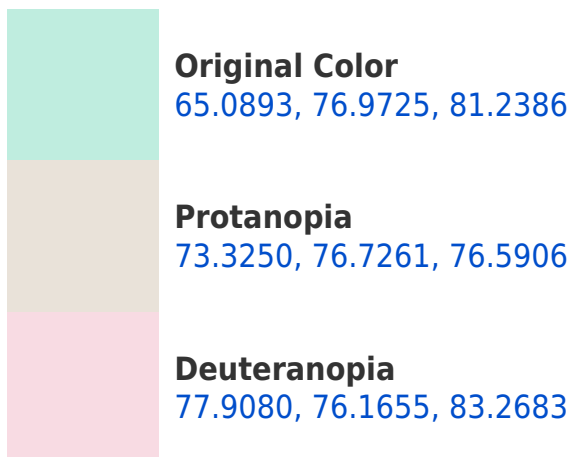
This preview shows how white text looks on a background with the XYZ color 65.0893, 76.9725,



# 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

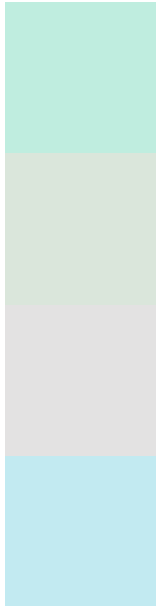




## Tritanopia

69.3165, 76.9786, 102.4718

# Trichromacy



## Original Color

65.0893, 76.9725, 81.2386

## Protanomaly

69.9964, 76.6135, 78.1165

## Deuteranomaly

72.6024, 76.2146, 82.8358

## Tritanomaly

67.5481, 76.6658, 94.4569

# Monochromacy



## Original Color

65.0893, 76.9725, 81.2386

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

67.5179, 74.0610, 79.8439

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.0893, 76.9725, 81.2386 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(191, 237, 223)` looks like.

```
.text, #text, p{  
    color:rgb(191, 237, 223)  
}
```

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(191, 237, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 237, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 65.0893, 76.9725, 81.2386 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(191, 237, 223) }
```



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

```
.border{ border-color:rgb(191, 237, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 237, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 237, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 237, 223);  
box-shadow:4px 4px 4px 4px rgb(191, 237,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.0893, 76.9725, 81.2386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 237, 223) }
```

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

```
.background{ background-color: rgb(191,  
237, 223) }
```

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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