

Converting Colors

XYZ(65.1468, 77.0757, 80.9884)

Have a look what the booklet for
XYZ(65.1468, 77.0757, 80.9884)
contains.

| | |
|--|----|
| XYZ(65.0893, 76.9725, 81.2386) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

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

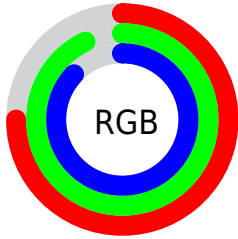
| Format | Color |
|-------------------------------------|--|
| RYB | 191, 218, 237 |
| Decimal | 12578271 |
| CIELab | 90.31, -17.51, 1.89 |
| CIELCh | 90, 17.613, 173.827 |
| Yxy | 76.9725, 0.2915, 0.3447 |
| Android (android.graphics.Color) | 4290768351 (0xFFBFEDDF) |
| YUV | 221.6500, 0.6655, -26.8801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

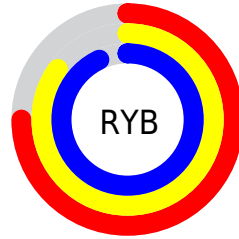
Distribution



Red (75%)

Green (93%)

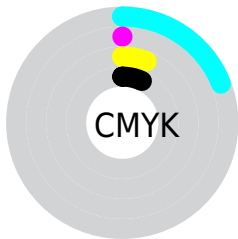
Blue (87%)



Red (75%)

Yellow (85%)

Blue (93%)

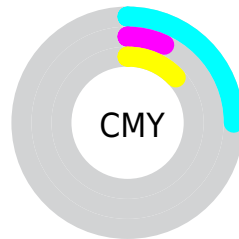


Cyan (19%)

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

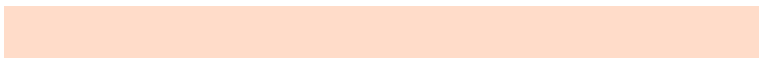
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



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



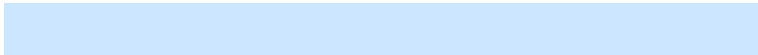
80.1834, 76.9725, 98.8942

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



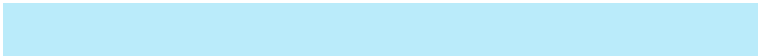
74.0710, 76.9725, 62.0114

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



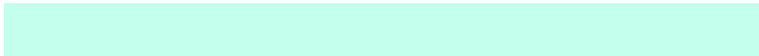
20.3446, 21.4041, 23.3091

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



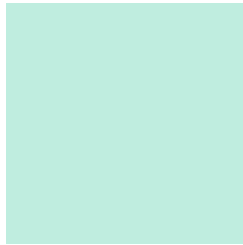
19.7601, 10.1067, 4.5378



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

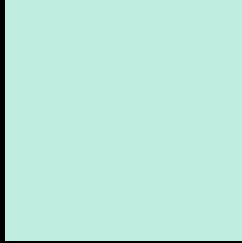
Large Text (above 18pt) WCAG AA × Fail

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

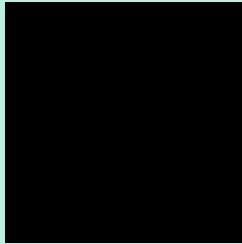
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

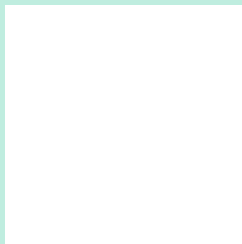
If you want to check with other color combinations, try the [Color Contrast Checker](#).

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.



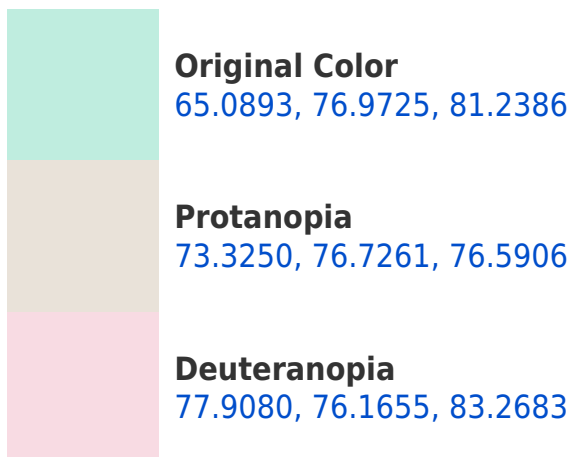
This preview shows how white text looks on a background with the XYZ color 65.0893, 76.9725,

81.2386.

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

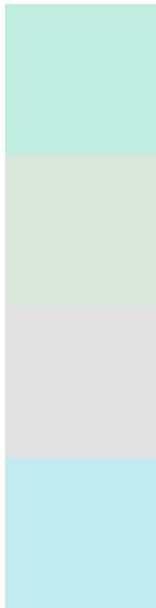




Tritanopia

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](#).

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