

Converting Colors

XYZ(69.8663, 80.4247, 81.9405)

Have a look what the booklet for
XYZ(69.8663, 80.4247, 81.9405)
contains.

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Color

**XYZ(69.6394, 80.1825,
81.6184)**

Conversions

Conversions Part 1

Format	Color
Hex	CEEFDF
RGB	206, 239, 223
RGB Percent	81%, 94%, 87%
CMY	0.1921, 0.0627, 0.1255
CMYK	0.14, 0.00, 0.07, 0.06
HSL	151°, 51%, 87%
HSV	151°, 14%, 94%
XYZ	69.6394, 80.1825, 81.6184
YIQ	227.3090, -14.5320, -11.9720

Conversions

Conversions Part 2

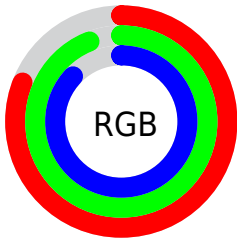
Format	Color
R _Y B	206, 228, 239
Decimal	13561823
CIE Lab	91.77, -13.75, 4.13
CIE LCh	92, 14.360, 163.306
Yxy	80.1825, 0.3009, 0.3465
Android (android.graphics.Color)	4291751903 (0xFFCEEFDf)
YUV	227.3090, -2.1243, -18.6880
Hunter-Lab	89.5447, -17.8827, 8.6395

Details

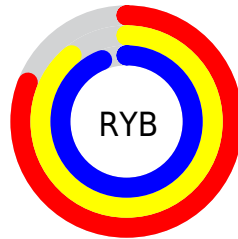
The XYZ color **69.6394, 80.1825, 81.6184** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.8556, 67.7694, 78.4573**, and the grayscale version is **73.2629, 77.0783, 83.9383**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.7639, 43.2734, 43.4607** is the 20% darker color. If you saturate the color by 10%, you get **61.9930, 76.4173, 73.3820**, and if you desaturate by 10%, it is **78.4062, 84.5174, 90.4690**.

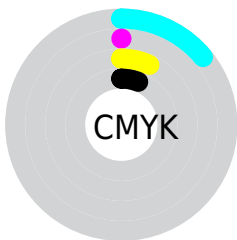
Distribution



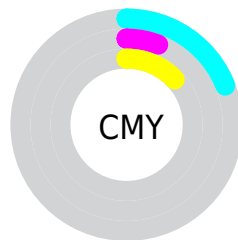
- Red (81%)
- Green (94%)
- Blue (87%)



- Red (81%)
- Yellow (89%)
- Blue (94%)



- Cyan (14%)
- Magenta (0%)
- Yellow (7%)
- Black (6%)



- Cyan (19%)
- Magenta (6%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6394, 80.1825, 81.6184 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 69.6394, 80.1825, 81.6184 by changing the saturation by 10% instead.

69.6394, 80.1825,
81.6184

69.6394, 80.1825,
81.6184

448.5690,
495.5477, 520.2203

51.5111, 59.8685,
60.5171

117.7234,
133.6223, 137.4706

36.8383, 43.3127,
43.4075

148.4099,
167.5169, 173.0586

25.2554, 30.1305,
29.8712

184.0132,
206.7072, 214.3125

16.3972, 19.9377,
19.4896

224.8987,
251.5776, 261.6509

9.8983, 12.3498,
11.8442

271.4316,
302.5124, 315.4923

5.3933, 6.9823,
6.5164

323.9774,

2.5169, 3.4511,

359.8961, 376.2553

3.0878

382.9015,
424.1131, 444.3585

■ 0.9038, 1.3715,
1.1396

■ 0.0000, 0.1956,
0.0000

■ 69.6394, 80.1825,
81.6184

■ 69.6394, 80.1825,
81.6184

■ 61.9930, 76.4173,
73.3820

■ 78.4062, 84.5174,
90.4690

■ 55.4127, 73.1873,
65.7411

■ 88.3313, 89.4346,
99.9413

■ 49.8497, 70.4699,
58.6837

■ 90.1580, 90.2160,
107.2693

■ 45.2486, 68.2368,
52.1953

■ 41.5484, 66.4568,
46.2609

■ 38.6806, 65.0949,
40.8646

■ 36.5665, 64.1107,
35.9896

■ 35.1102, 63.4552,
31.6175

■ 34.4501, 63.1688,
29.1523

Harmonies

Analogous

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



71.4652, 80.1825, 73.3876



69.6394, 80.1825, 81.6184



69.5376, 80.1825, 92.0473

Triad

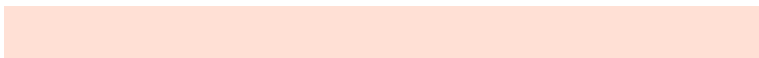
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.6394, 80.1825, 81.6184



77.8494, 80.1825, 108.5228



81.4711, 80.1825, 74.1440

Complementary

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



69.6394, 80.1825, 81.6184



70.8556, 67.7694, 78.4573

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.



83.2984, 80.1825, 82.7287



69.6394, 80.1825, 81.6184



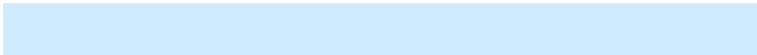
81.1625, 80.1825, 102.8795

Square

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



69.6394, 80.1825, 81.6184



74.1987, 80.1825, 108.1651



83.1837, 80.1825, 93.2500



78.2595, 80.1825, 69.3158

Rectangle

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



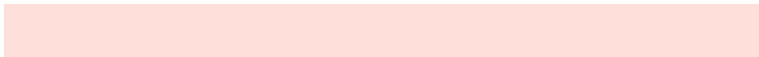
69.6394, 80.1825, 81.6184



70.4552, 80.1825, 98.8988



83.1837, 80.1825, 93.2500



82.2721, 80.1825, 76.6549

Sweetspot

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



69.6416, 80.1859, 81.6202



90.6102, 97.8020, 104.5889



72.2875, 81.8015, 70.3731



19.2208, 20.8478, 22.2156



0.0000, 0.0000, 0.0000



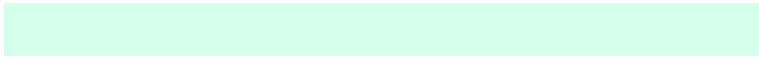
20.3446, 21.4041, 23.3091

Same Dimension

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



69.6416, 80.1859, 81.6202



77.6589, 91.4044, 91.3762



71.9029, 81.0904, 93.5276



15.9058, 17.7924, 18.5270



19.1036, 34.9335, 16.4606



1.6395, 2.9262, 1.6341

Inverse Universe

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



70.8556, 67.7694, 78.4573



79.3570, 74.0365, 86.9522



68.8109, 66.9515, 67.6900



16.0922, 15.8866, 18.0415



21.4758, 10.8628, 10.4223



1.8367, 0.9237, 1.1308

Previews

White Background



This preview shows how the XYZ color 69.6394, 80.1825, 81.6184 looks on a white background.

Color Contrast Check

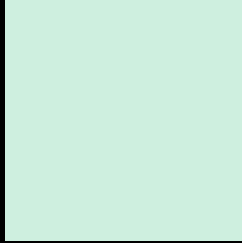
Large Text (above 18pt) WCAG AA × Fail

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 69.6394, 80.1825, 81.6184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

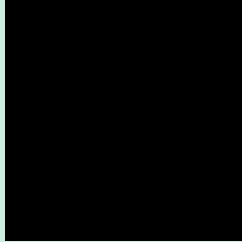
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

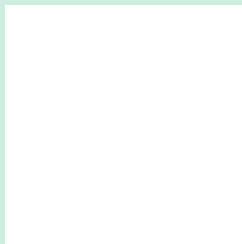
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.6394, 80.1825, 81.6184

Background



This preview shows how black text looks on a background with the XYZ color 69.6394, 80.1825, 81.6184.



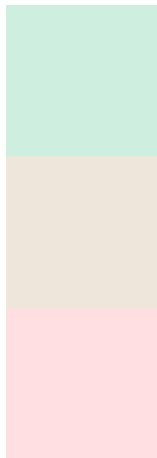
This preview shows how white text looks on a background with the XYZ color 69.6394, 80.1825,

81.6184.

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

69.6394, 80.1825, 81.6184

Protanopia

76.2116, 79.8327, 77.7221

Deuteranopia

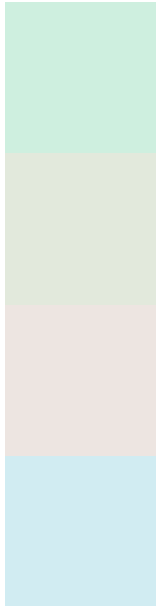
81.3551, 79.5263, 83.0137



Tritanopia

74.3019, 80.3574, 104.5229

Trichromacy



Original Color

69.6394, 80.1825, 81.6184

Protanomaly

73.4212, 79.6139, 79.2075

Deuteranomaly

76.5350, 79.4794, 82.5414

Tritanomaly

72.3170, 79.9570, 95.6261

Monochromacy



Original Color

69.6394, 80.1825, 81.6184

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.5168, 77.7029, 83.1803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6394, 80.1825, 81.6184 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, 239, 223)` looks like.

```
.text, #text, p{  
    color:rgb(206, 239, 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(206, 239, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 239, 223) }
```

Border

The CSS property to change the border of an element to XYZ 69.6394, 80.1825, 81.6184 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, 239, 223) }
```


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

```
.border{ border-color:rgb(206, 239, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 239, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 239, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 239, 223);  
box-shadow:4px 4px 4px 4px rgb(206, 239,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6394, 80.1825, 81.6184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 239, 223) }
```

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

```
.background{ background-color: rgb(206,  
239, 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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