

Converting Colors

XYZ(68.3281, 79.7749, 62.4825)

Have a look what the booklet for
XYZ(68.3281, 79.7749, 62.4825)
contains.

XYZ(68.5165, 80.0303, 62.2883)	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(68.5165, 80.0303,
62.2883)**

Conversions

Conversions Part 1

Format	Color
Hex	D7EFC1
RGB	215, 239, 193
RGB Percent	84%, 94%, 76%
CMY	0.1569, 0.0627, 0.2431
CMYK	0.10, 0.00, 0.19, 0.06
HSL	91°, 59%, 85%
HSV	91°, 19%, 94%
XYZ	68.5165, 80.0303, 62.2883
YIQ	226.5800, 0.4620, -19.3940

Conversions

Conversions Part 2

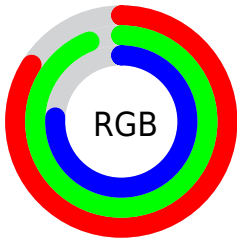
Format	Color
RYB	193, 239, 217
Decimal	14151617
CIELab	91.70, -15.90, 19.66
CIELCh	92, 25.283, 128.958
Yxy	80.0303, 0.3250, 0.3796
Android (android.graphics.Color)	4292341697 (0xFFD7EFC1)
YUV	226.5800, -16.5549, -10.1557
Hunter-Lab	89.4597, -19.8425, 21.3398

Details

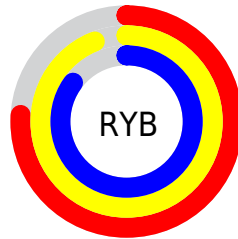
The XYZ color **68.5165, 80.0303, 62.2883** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.2684, 59.1259, 89.7434**, and the grayscale version is **72.8266, 76.6193, 83.4384**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **36.0909, 43.2046, 30.8632** is the 20% darker color. If you saturate the color by 10%, you get **62.5398, 77.2352, 49.1978**, and if you desaturate by 10%, it is **75.2075, 83.1487, 77.6647**.

Distribution



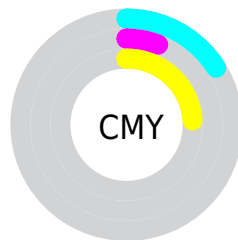
- Red (84%)
- Green (94%)
- Blue (76%)



- Red (76%)
- Yellow (94%)
- Blue (85%)



- Cyan (10%)
- Magenta (0%)
- Yellow (19%)
- Black (6%)



- Cyan (16%)
- Magenta (6%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5165, 80.0303, 62.2883 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 68.5165, 80.0303, 62.2883 by changing the saturation by 10% instead.

68.5165, 80.0303,
62.2883

68.5165, 80.0303,
62.2883

444.6719,
495.0349, 451.0186

50.5933, 59.7433,
44.8284

116.1286,
133.4083, 109.7177

36.1047, 43.2117,
30.9803

146.5481,
167.2681, 140.5243

24.6856, 30.0513,
20.3255

181.8638,
206.4210, 176.6169

15.9704, 19.8775,
12.4455

222.4410,
251.2513, 218.4141

9.5939, 12.3060,
6.9216

268.6451,
302.1435, 266.3342

5.1908, 6.9525,
3.3354

320.8413,

2.3955, 3.4324,

359.4819, 320.7960

1.2684

379.3952,
423.6509, 382.2180

■ 0.8429, 1.3614,
0.0356

■ 0.0000, 0.1880,
0.0000

■ 68.5165, 80.0303,
62.2883

■ 68.5165, 80.0303,
62.2883

■ 62.5398, 77.2352,
49.1978

■ 75.2075, 83.1487,
77.6647

■ 57.2443, 74.7414,
38.2788

■ 82.6319, 86.5907,
95.4235

■ 52.6033, 72.5403,
29.4151

■ 89.2133, 89.7291,
107.2251

■ 48.5857, 70.6186,
22.4773

■ 90.1581, 90.2162,
107.2694

■ 45.1573, 68.9617,
17.3214

■ 42.2798, 67.5536,
13.7832

■ 39.9086, 66.3756,
11.6681

■ 37.9787, 65.4007,
10.6735

■ 37.8458, 65.3333,
10.6159

Harmonies

Analogous

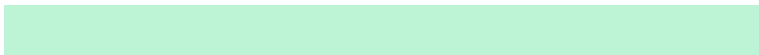
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.1475, 80.0303, 56.4963



68.5165, 80.0303, 62.2883



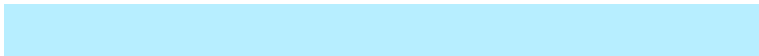
65.0463, 80.0303, 74.9740

Triad

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



68.5165, 80.0303, 62.2883



71.6907, 80.0303, 124.7606



89.0156, 80.0303, 81.7135

Complementary

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



68.5165, 80.0303, 62.2883



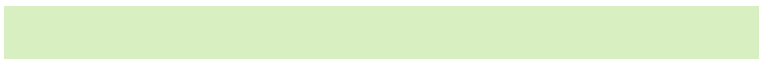
63.2684, 59.1259, 89.7434

Split Complementary

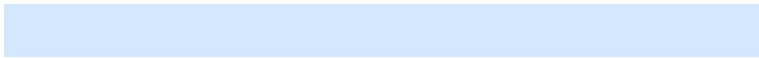
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.2657, 80.0303, 100.5543



68.5165, 80.0303, 62.2883



78.0182, 80.0303, 127.2403

Square

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



68.5165, 80.0303, 62.2883



66.8055, 80.0303, 111.4900



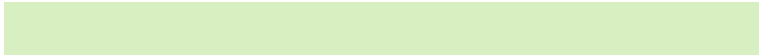
84.1515, 80.0303, 117.8514



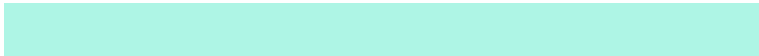
86.1459, 80.0303, 66.6207

Rectangle

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



68.5165, 80.0303, 62.2883



64.3044, 80.0303, 86.4939



84.1515, 80.0303, 117.8514



89.1817, 80.0303, 87.7881

Sweetspot

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



68.5186, 80.0338, 62.2900



89.8072, 97.5706, 96.3043



69.9780, 71.7095, 60.6064



19.1043, 20.8293, 20.3328



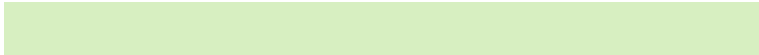
0.0000, 0.0000, 0.0000



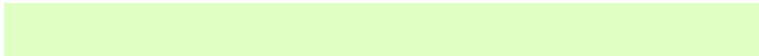
20.3446, 21.4041, 23.3091

Same Dimension

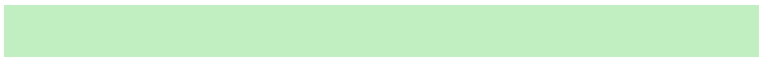
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.5186, 80.0338, 62.2900



76.6273, 91.4322, 66.0432



62.5726, 76.9586, 62.4595



16.2851, 18.0271, 16.7710



21.0630, 36.1799, 5.8733



1.8665, 3.0687, 0.4939

Inverse Universe

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



63.2684, 59.1259, 89.7434



69.5328, 63.1812, 103.1382



70.1366, 62.6796, 89.4747



15.6843, 15.6345, 19.9127



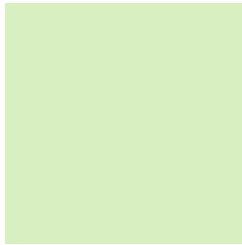
13.4129, 5.9200, 45.5636



1.2307, 0.5517, 3.7958

Previews

White Background



This preview shows how the XYZ color 68.5165, 80.0303, 62.2883 looks on a white background.

Color Contrast Check

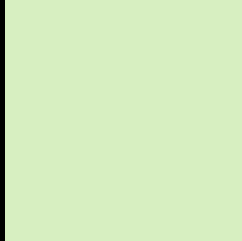
Large Text (above 18pt) WCAG AA × Fail

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 68.5165, 80.0303, 62.2883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

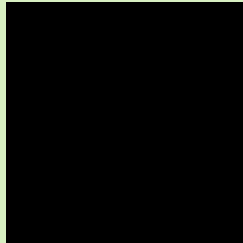
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

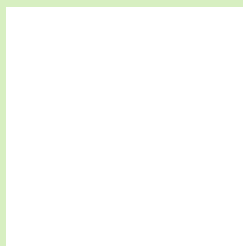
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.5165, 80.0303, 62.2883

Background



This preview shows how black text looks on a background with the XYZ color 68.5165, 80.0303, 62.2883.

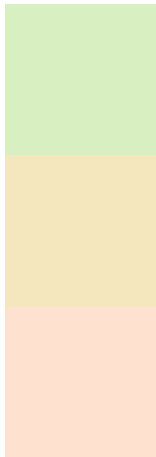


This preview shows how white text looks on a background with the XYZ color 68.5165, 80.0303,

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

68.5165, 80.0303, 62.2883

Protanopia

74.7903, 79.5008, 59.5474

Deuteranopia

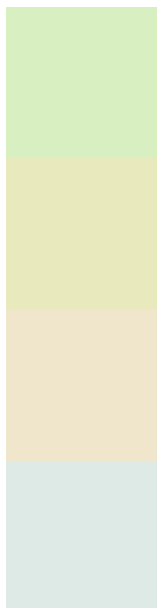
79.5504, 79.6645, 70.8585



Tritanopia

76.5717, 79.9012, 101.8292

Trichromacy



Original Color

68.5165, 80.0303, 62.2883

Protanomaly

72.0374, 79.3192, 60.2285

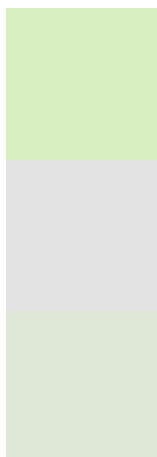
Deuteranomaly

75.0115, 79.4307, 67.8780

Tritanomaly

73.3845, 79.8749, 85.6784

Monochromacy



Original Color

68.5165, 80.0303, 62.2883

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.2731, 77.7461, 75.5400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5165, 80.0303, 62.2883 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(215, 239, 193)` looks like.

```
.text, #text, p{  
    color:rgb(215, 239, 193)  
}
```

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(215, 239, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 239, 193) }
```

Border

The CSS property to change the border of an element to XYZ 68.5165, 80.0303, 62.2883 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(215, 239, 193) }
```


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

```
.border{ border-color:rgb(215, 239, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 239, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 239, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 239, 193);  
box-shadow:4px 4px 4px 4px rgb(215, 239,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5165, 80.0303, 62.2883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 239, 193) }
```

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

```
.background{ background-color: rgb(215,  
239, 193) }
```

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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