

Converting Colors

XYZ(68.1789, 75.1400, 83.5831)

Have a look what the booklet for
XYZ(68.1789, 75.1400, 83.5831)
contains.

XYZ(68.1789, 75.1400, 83.5831)	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(68.1789, 75.1400,
83.5831)**

Conversions

Conversions Part 1

Format	Color
Hex	D1E5E3
RGB	209, 229, 227
RGB Percent	82%, 90%, 89%
CMY	0.1804, 0.1019, 0.1098
CMYK	0.09, 0.00, 0.01, 0.10
HSL	174°, 28%, 86%
HSV	174°, 9%, 90%
XYZ	68.1789, 75.1400, 83.5831
YIQ	222.7920, -11.2780, -4.8620

Conversions

Conversions Part 2

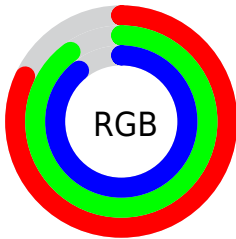
Format	Color
R _Y B	209, 220, 229
Decimal	13755875
CIE Lab	89.46, -6.98, -1.30
CIE LCh	89, 7.100, 190.557
Yxy	75.1400, 0.3005, 0.3312
Android (android.graphics.Color)	4291945955 (0xFFD1E5E3)
YUV	222.7920, 2.0745, -12.0956
Hunter-Lab	86.6833, -11.3005, 3.5088

Details

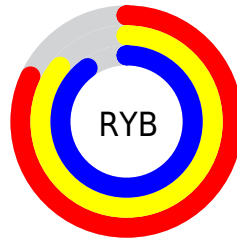
The XYZ color **68.1789, 75.1400, 83.5831** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.8741, 66.9640, 71.0321**, and the grayscale version is **69.9849, 73.6295, 80.1826**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9089, 40.1207, 44.8812** is the 20% darker color. If you saturate the color by 10%, you get **61.8458, 71.9136, 81.6465**, and if you desaturate by 10%, it is **75.4518, 78.8546, 85.5888**.

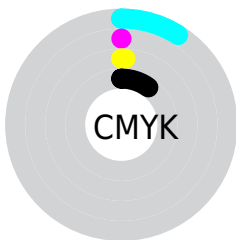
Distribution



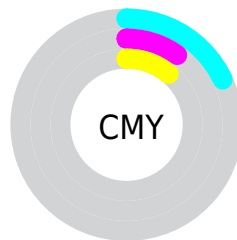
- Red (82%)
- Green (90%)
- Blue (89%)



- Red (82%)
- Yellow (86%)
- Blue (90%)



- Cyan (9%)
- Magenta (0%)
- Yellow (1%)
- Black (10%)



- Cyan (18%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1789, 75.1400, 83.5831 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 68.1789, 75.1400, 83.5831 by changing the saturation by 10% instead.

■ 68.1789, 75.1400,
83.5831

■ 68.1789, 75.1400,
83.5831

443.4964,
478.3986, 526.9496

■ 50.3175, 55.7276,
62.1279

115.6485,
126.5105, 140.2484

■ 35.8846, 39.9846,
44.6996

145.9875,
159.2374, 176.2955

■ 24.5148, 27.5265,
30.8796

181.2163,
197.1713, 218.0437

■ 15.8427, 17.9690,
20.2495

221.7004,
240.6965, 265.9115

■ 9.5031, 10.9278,
12.3907

267.8051,
290.1974, 320.3175

■ 5.1305, 6.0183,
6.8846

319.8958,

■ 2.3596, 2.8562,

346.0585, 381.6801

3.3127

378.3378,
408.6641, 450.4180

■ 0.8249, 1.0571,
1.2564

■ 0.0000, 0.0000,
0.0257

■ 68.1789, 75.1400,
83.5831

■ 68.1789, 75.1400,
83.5831

■ 61.8458, 71.9136,
81.6465

■ 75.4518, 78.8546,
85.5888

■ 56.4065, 69.1454,
79.7721

■ 83.6953, 83.0669,
87.6605


■ 51.8208, 66.8167,
77.9595


■ 84.0952, 83.2353,
89.3873


■ 48.0429, 64.9040,
76.2064


■ 84.4267, 83.3679,
91.1332

 45.0225, 63.3814,
74.5105


 84.7626, 83.5022,
92.9017


 42.7040, 62.2201,
72.8691


 85.1027, 83.6383,
94.6927


 41.0239, 61.3874,
71.2790

 85.4471, 83.7760,
96.5065

 39.9071, 60.8447,
69.7367

 85.7959, 83.9155,
98.3431

 39.2411, 60.5338,
68.2368

 86.1490, 84.0568,
100.2026

Harmonies

Analogous

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



68.3091, 75.1400, 78.6659



68.1789, 75.1400, 83.5831



68.9060, 75.1400, 88.2055

Triad

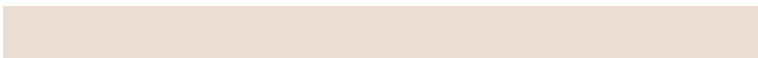
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.1789, 75.1400, 83.5831



73.6163, 75.1400, 89.3140



72.5380, 75.1400, 73.1063

Complementary

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



68.1789, 75.1400, 83.5831



66.8741, 66.9640, 71.0321

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.



73.9910, 75.1400, 75.7403



68.1789, 75.1400, 83.5831



74.6205, 75.1400, 85.0464

Square

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



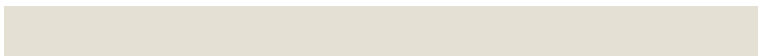
68.1789, 75.1400, 83.5831



72.0332, 75.1400, 91.6023



74.7588, 75.1400, 80.0714



70.8070, 75.1400, 72.7503

Rectangle

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



68.1789, 75.1400, 83.5831



69.7860, 75.1400, 90.4475



74.7588, 75.1400, 80.0714



73.0759, 75.1400, 73.7494

Sweetspot

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



68.1810, 75.1432, 83.5848



92.1682, 98.5286, 108.1225



66.4897, 74.5435, 71.2066



19.5670, 21.0071, 23.0985



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.



68.1810, 75.1432, 83.5848



85.8743, 95.3170, 106.3383



66.3841, 71.1041, 84.3582



14.7420, 16.3102, 18.1719



22.4197, 34.6000, 39.0403



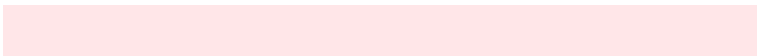
1.6748, 2.5641, 2.9802

Inverse Universe

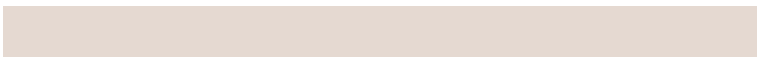
The Inverse Universe completely reimagines the original color for something new.



66.8741, 66.9640, 71.0321



83.9710, 83.4050, 88.0572



68.5514, 70.7180, 70.3595



14.4354, 14.3913, 15.2270



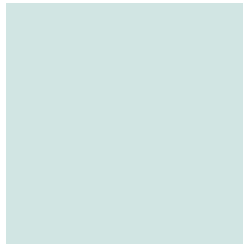
18.5832, 9.5675, 1.4343



1.3932, 0.7150, 0.2113

Previews

White Background



This preview shows how the XYZ color 68.1789, 75.1400, 83.5831 looks on a white background.

Color Contrast Check

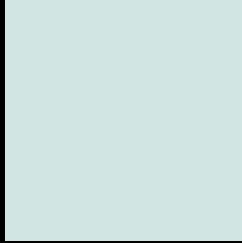
Large Text (above 18pt) WCAG AA × Fail

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 68.1789, 75.1400, 83.5831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

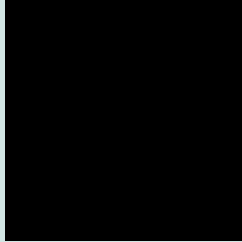
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

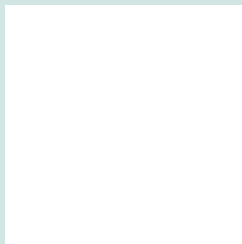
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.1789, 75.1400, 83.5831

Background



This preview shows how black text looks on a background with the XYZ color 68.1789, 75.1400, 83.5831.

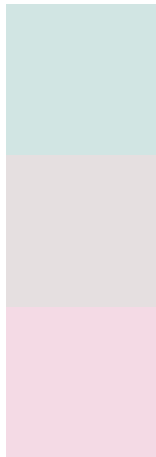


This preview shows how white text looks on a background with the XYZ color 68.1789, 75.1400,

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

68.1789, 75.1400, 83.5831

Protanopia

72.1553, 74.8152, 81.1588

Deuteranopia

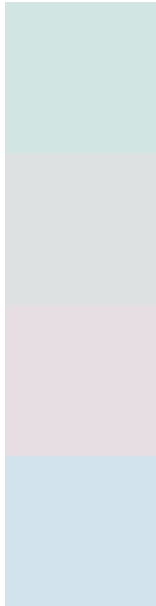
76.5225, 75.0330, 84.5784



Tritanopia

70.6769, 74.9214, 96.3242

Trichromacy



Original Color

68.1789, 75.1400, 83.5831

Protanomaly

70.6400, 74.8163, 81.9520

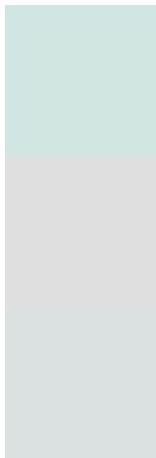
Deuteranomaly

73.0799, 74.8329, 83.9913

Tritanomaly

69.7657, 74.9601, 91.6806

Monochromacy



Original Color

68.1789, 75.1400, 83.5831

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.2932, 74.1377, 81.1789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1789, 75.1400, 83.5831 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(209, 229, 227) looks like.

```
.text, #text, p{  
    color:rgb(209, 229, 227)  
}
```

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(209, 229, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 229, 227) }
```

Border

The CSS property to change the border of an element to XYZ 68.1789, 75.1400, 83.5831 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(209, 229, 227) }
```


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

```
.border{ border-color:rgb(209, 229, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 229, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 229, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 229, 227);  
box-shadow:4px 4px 4px 4px rgb(209, 229,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1789, 75.1400, 83.5831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 229, 227) }
```

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

```
.background{ background-color: rgb(209,  
229, 227) }
```

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