

Converting Colors

XYZ(68.5127, 77.2501, 89.0719)

Have a look what the booklet for
XYZ(68.5127, 77.2501, 89.0719)
contains.

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Color

**XYZ(68.6312, 77.3427,
89.1533)**

Conversions

Conversions Part 1

Format	Color
Hex	CAEAEA
RGB	202, 234, 234
RGB Percent	79%, 92%, 92%
CMY	0.2078, 0.0823, 0.0823
CMYK	0.14, 0.00, 0.00, 0.08
HSL	180°, 43%, 85%
HSV	180°, 14%, 92%
XYZ	68.6312, 77.3427, 89.1533
YIQ	224.4320, -19.0720, -6.7840

Conversions

Conversions Part 2

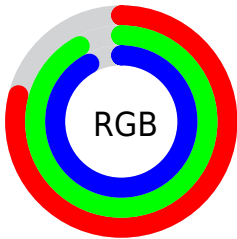
Format	Color
R _{YB}	202, 218, 234
Decimal	13298410
CIE Lab	90.48, -10.39, -3.52
CIE LCh	90, 10.971, 198.724
Yxy	77.3427, 0.2919, 0.3289
Android (android.graphics.Color)	4291488490 (0xFFCAEAEA)
YUV	224.4320, 4.7170, -19.6729
Hunter-Lab	87.9447, -14.6035, 1.4565

Details

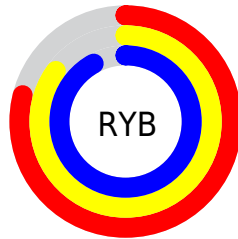
The XYZ color **68.6312, 77.3427, 89.1533** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.7156, 63.9998, 64.7701**, and the grayscale version is **71.1394, 74.8442, 81.5054**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1690, 41.3510, 48.1947** is the 20% darker color. If you saturate the color by 10%, you get **62.7738, 74.3252, 88.8790**, and if you desaturate by 10%, it is **75.4531, 80.8615, 89.4760**.

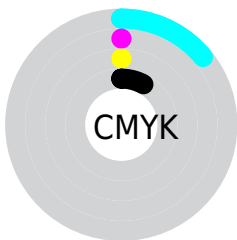
Distribution



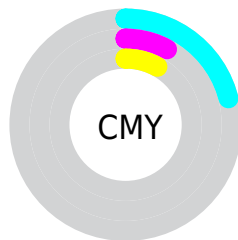
- Red (79%)
- Green (92%)
- Blue (92%)



- Red (79%)
- Yellow (85%)
- Blue (92%)



- Cyan (14%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)



- Cyan (21%)
- Magenta (8%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6312, 77.3427, 89.1533 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 68.6312, 77.3427, 89.1533 by changing the saturation by 10% instead.

68.6312, 77.3427,
89.1533

68.6312, 77.3427,
89.1533

445.0709,
485.9317, 545.7716

50.6870, 57.5342,
66.7089

116.2916,
129.6231, 148.0870

36.1796, 41.4343,
48.3880

146.7385,
162.8638, 185.4132

24.7437, 28.6586,
33.7720

182.0837,
201.3507, 228.5372

16.0139, 18.8227,
22.4426

222.6925,
245.4682, 277.8775

9.6249, 11.5422,
13.9810

268.9302,
295.6006, 333.8525

5.2113, 6.4328,
7.9689

321.1623,

2.4078, 3.1100,

352.1324, 396.8808

3.9876

379.7541,
415.4480, 467.3810

■ 0.8490, 1.1894,
1.6185

■ 0.0000, 0.0530,
0.3040

■ 68.6312, 77.3427,
89.1533

■ 68.6312, 77.3427,
89.1533

■ 62.7738, 74.3252,
88.8790

■ 75.4531, 80.8615,
89.4760

■ 57.8312, 71.7773,
88.6459

■ 83.2732, 84.8929,
89.8438

■ 53.7593, 69.6781,
88.4535

■ 85.5168, 86.0495,
89.9506

■ 50.5075, 68.0018,
88.2995

■ 85.5171, 86.0496,
89.9525

48.0203, 66.7196,
88.1812

85.5175, 86.0498,
89.9543

46.2352, 65.7995,
88.0959

85.5178, 86.0499,
89.9561

45.0800, 65.2039,
88.0400

85.5182, 86.0500,
89.9580

44.4667, 64.8878,
88.0095

85.5185, 86.0502,
89.9598

44.2727, 64.7879,
87.9992

85.5189, 86.0503,
89.9616

Harmonies

Analogous

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



68.4620, 77.3427, 81.2951



68.6312, 77.3427, 89.1533



70.0887, 77.3427, 96.0773

Triad

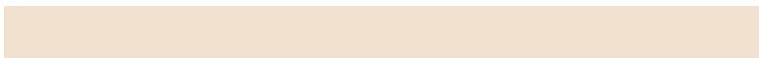
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.6312, 77.3427, 89.1533



77.5456, 77.3427, 94.5711



74.5476, 77.3427, 70.2570

Complementary

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



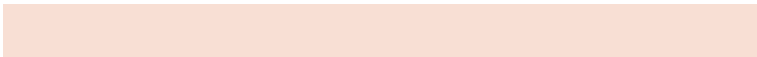
68.6312, 77.3427, 89.1533



65.7156, 63.9998, 64.7701

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.



77.0449, 77.3427, 73.3681



68.6312, 77.3427, 89.1533



78.8042, 77.3427, 87.2000

Square

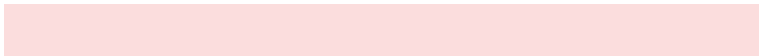
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.6312, 77.3427, 89.1533



75.2173, 77.3427, 99.3370



78.6187, 77.3427, 79.4588



71.8326, 77.3427, 70.7078

Rectangle

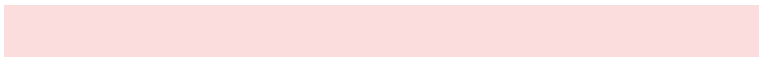
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



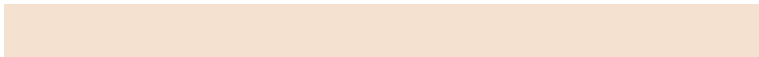
68.6312, 77.3427, 89.1533



71.6155, 77.3427, 99.0804



78.6187, 77.3427, 79.4588



75.4415, 77.3427, 70.9127

Sweetspot

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



68.6334, 77.3459, 89.1550



91.3963, 98.1165, 108.7281



64.5874, 75.7442, 67.0944



19.4202, 20.9276, 23.2656



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.



68.6334, 77.3459, 89.1550



81.5993, 93.0660, 108.2670



64.4205, 68.9194, 87.7531



15.5177, 17.1219, 19.4089



24.8777, 36.4056, 49.4486



1.9535, 2.8587, 3.8830

Inverse Universe

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



65.7156, 63.9998, 64.7701



77.5009, 74.3199, 74.0156



69.5284, 71.6261, 66.0391



15.0656, 15.0541, 15.6307



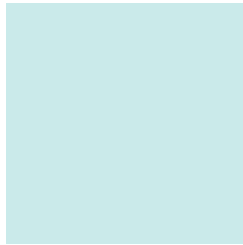
19.0679, 9.8298, 0.8929



1.4973, 0.7719, 0.0702

Previews

White Background



This preview shows how the XYZ color 68.6312, 77.3427, 89.1533 looks on a white background.

Color Contrast Check

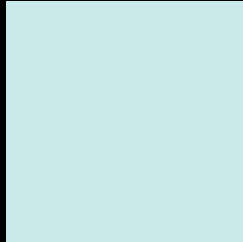
Large Text (above 18pt) WCAG AA × Fail

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 68.6312, 77.3427, 89.1533 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 68.6312, 77.3427, 89.1533

Background



This preview shows how black text looks on a background with the XYZ color 68.6312, 77.3427, 89.1533.

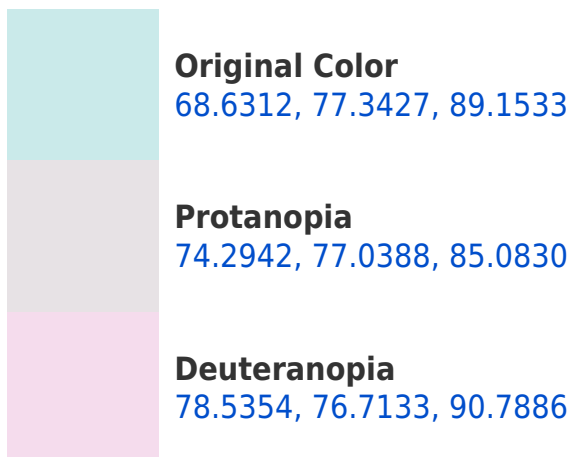


This preview shows how white text looks on a background with the XYZ color 68.6312, 77.3427,

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

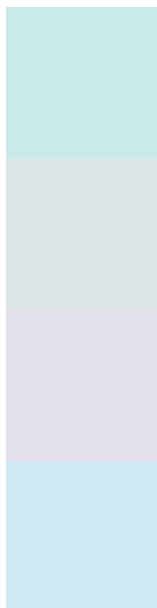




Tritanopia

71.2888, 77.5945, 101.6624

Trichromacy



Original Color

68.6312, 77.3427, 89.1533

Protanomaly

71.9583, 77.0238, 86.6758

Deuteranomaly

74.3786, 76.5646, 90.2151

Tritanomaly

70.3699, 77.6468, 96.8664

Monochromacy



Original Color

68.6312, 77.3427, 89.1533

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.0659, 75.6872, 84.3150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6312, 77.3427, 89.1533 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(202, 234, 234)` looks like.

```
.text, #text, p{  
    color:rgb(202, 234, 234)  
}
```

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(202, 234, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 234, 234) }
```

Border

The CSS property to change the border of an element to XYZ 68.6312, 77.3427, 89.1533 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(202, 234, 234) }
```


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

```
.border{ border-color:rgb(202, 234, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 234, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 234, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 234, 234);  
box-shadow:4px 4px 4px 4px rgb(202, 234,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6312, 77.3427, 89.1533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 234, 234) }
```

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

```
.background{ background-color: rgb(202,  
234, 234) }
```

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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