

Converting Colors

XYZ(68.3349, 78.2255, 85.4411)

Have a look what the booklet for
XYZ(68.3349, 78.2255, 85.4411)
contains.

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Color

**XYZ(68.2257, 78.0656,
85.6010)**

Conversions

Conversions Part 1

Format	Color
Hex	C9ECE5
RGB	201, 236, 229
RGB Percent	79%, 93%, 90%
CMY	0.2118, 0.0745, 0.1020
CMYK	0.15, 0.00, 0.03, 0.07
HSL	168°, 48%, 86%
HSV	168°, 15%, 93%
XYZ	68.2257, 78.0656, 85.6010
YIQ	224.7370, -18.6130, -9.5970

Conversions

Conversions Part 2

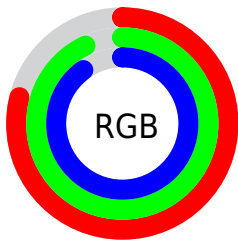
Format	Color
R_{YB}	201, 220, 236
Decimal	13233381
CIE _{Lab}	90.81, -12.70, -0.43
CIE _{LCh}	91, 12.709, 181.952
Yxy	78.0656, 0.2942, 0.3366
Android (android.graphics.Color)	4291423461 (0xFFC9ECE5)
YUV	224.7370, 2.1017, -20.8173
Hunter-Lab	88.3547, -16.7868, 4.4062

Details

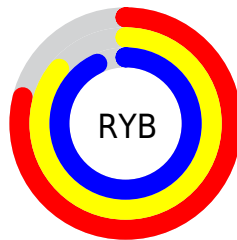
The XYZ color **68.2257, 78.0656, 85.6010** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.8667, 64.1623, 68.5383**, and the grayscale version is **71.3760, 75.0931, 81.7764**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9939, 41.9016, 46.2351** is the 20% darker color. If you saturate the color by 10%, you get **61.7125, 74.7852, 81.9024**, and if you desaturate by 10%, it is **75.7361, 81.8622, 89.4432**.

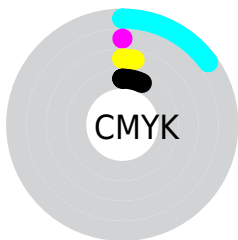
Distribution



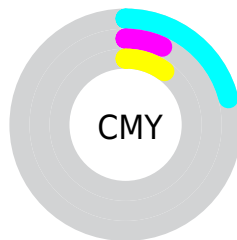
- Red (79%)
- Green (93%)
- Blue (90%)



- Red (79%)
- Yellow (86%)
- Blue (93%)



- Cyan (15%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (21%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2257, 78.0656, 85.6010 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 68.2257, 78.0656, 85.6010 by changing the saturation by 10% instead.

68.2257, 78.0656,
85.6010

68.2257, 78.0656,
85.6010

443.6595,
488.3896, 533.8110

50.3557, 58.1279,
63.7851

115.7151,
130.6426, 143.0942

35.9151, 41.9115,
46.0316

146.0652,
164.0506, 179.6085

24.5384, 29.0320,
31.9219

181.3061,
202.7176, 221.8594

15.8604, 19.1050,
21.0375

221.8031,
247.0278, 270.2654

9.5156, 11.7462,
12.9599

267.9216,
297.3658, 325.2450

5.1388, 6.5711,
7.2705

320.0269,

2.3645, 3.1953,

354.1158, 387.2168

3.5509

378.4844,
417.6622, 456.5993

■ 0.8274, 1.2345,
1.3823

■ 0.0000, 0.0897,
0.1279

■ 68.2257, 78.0656,
85.6010

■ 68.2257, 78.0656,
85.6010

■ 61.7125, 74.7852,
81.9024

■ 75.7361, 81.8622,
89.4432

■ 56.1452, 71.9882,
78.3393

■ 84.2785, 86.1867,
93.4264

■ 51.4782, 69.6534,
74.9105

■ 87.4399, 87.7350,
97.2528

■ 47.6593, 67.7537,
71.6128

■ 88.1631, 88.0243,
101.0609

■ 44.6309, 66.2595,
68.4428

■ 88.9047, 88.3210,
104.9664

■ 42.3281, 65.1374,
65.3966

■ 89.2869, 88.4738,
106.9790

■ 40.6753, 64.3484,
62.4699

■ 39.5801, 63.8450,
59.6577

■ 39.1589, 63.6586,
58.2453

Harmonies

Analogous

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



68.9070, 78.0656, 76.9910



68.2257, 78.0656, 85.6010



69.1064, 78.0656, 94.6575

Triad

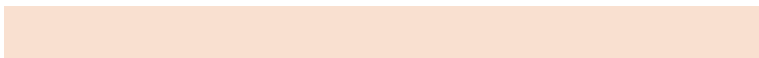
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.2257, 78.0656, 85.6010



77.4986, 78.0656, 100.8234



77.1260, 78.0656, 70.3957

Complementary

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



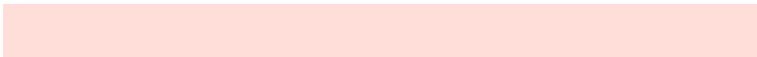
68.2257, 78.0656, 85.6010



66.8667, 64.1623, 68.5383

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.



79.5359, 78.0656, 76.0231



68.2257, 78.0656, 85.6010



79.7553, 78.0656, 93.5464

Square

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



68.2257, 78.0656, 85.6010



74.4085, 78.0656, 103.8290



80.5112, 78.0656, 84.4022



73.9899, 78.0656, 68.5975

Rectangle

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



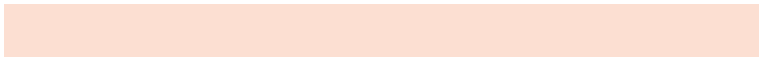
68.2257, 78.0656, 85.6010



70.4759, 78.0656, 99.6254



80.5112, 78.0656, 84.4022



78.0509, 78.0656, 71.8813

Sweetspot

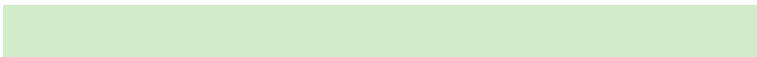
The Sweet Spot groups the original color and five complimentary colors.



68.2279, 78.0689, 85.6027



91.0696, 97.9858, 107.0077



66.7173, 77.7060, 66.7419



19.3372, 20.8944, 22.8285



0.0000, 0.0000, 0.0000



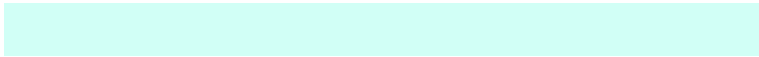
20.3446, 21.4041, 23.3091

Same Dimension

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



68.2279, 78.0689, 85.6027



78.6892, 91.7324, 100.5998



66.4491, 72.9145, 89.9324



15.3810, 17.0672, 18.6891



21.6314, 35.1070, 32.3537



1.7314, 2.7699, 2.7131

Inverse Universe

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



66.8667, 64.1623, 68.5383



76.7571, 71.9868, 76.3738



68.4109, 68.5994, 64.8949



15.1887, 15.1033, 16.2789



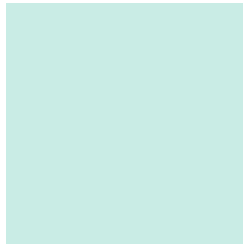
19.3897, 9.9586, 2.5874



1.5560, 0.7954, 0.3795

Previews

White Background



This preview shows how the XYZ color 68.2257, 78.0656, 85.6010 looks on a white background.

Color Contrast Check

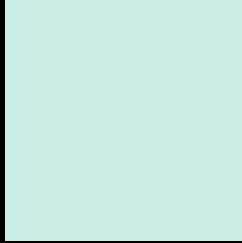
Large Text (above 18pt) WCAG AA × Fail

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 68.2257, 78.0656, 85.6010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

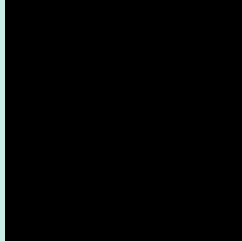
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

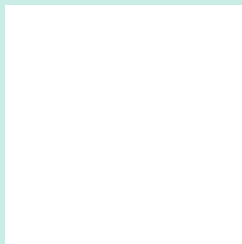
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.2257, 78.0656, 85.6010

Background



This preview shows how black text looks on a background with the XYZ color 68.2257, 78.0656, 85.6010.

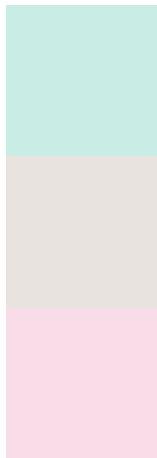


This preview shows how white text looks on a background with the XYZ color 68.2257, 78.0656,

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

68.2257, 78.0656, 85.6010

Protanopia

74.5279, 77.6436, 81.5797

Deuteranopia

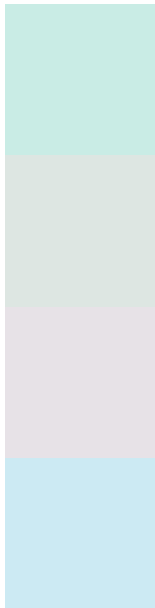
79.1333, 77.4956, 87.1313



Tritanopia

71.7283, 78.2220, 102.5847

Trichromacy



Original Color

68.2257, 78.0656, 85.6010

Protanomaly

71.8431, 77.4568, 83.1156

Deuteranomaly

74.5752, 77.1512, 86.5624

Tritanomaly

70.5023, 78.1541, 96.1634

Monochromacy



Original Color

68.2257, 78.0656, 85.6010

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.0657, 76.1285, 82.9529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2257, 78.0656, 85.6010 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(201, 236, 229)` looks like.

```
.text, #text, p{  
    color:rgb(201, 236, 229)  
}
```

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(201, 236, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 236, 229) }
```

Border

The CSS property to change the border of an element to XYZ 68.2257, 78.0656, 85.6010 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(201, 236, 229) }
```


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

```
.border{ border-color:rgb(201, 236, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 236, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 236, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 236, 229);  
box-shadow:4px 4px 4px 4px rgb(201, 236,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2257, 78.0656, 85.6010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 236, 229) }
```

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

```
.background{ background-color: rgb(201,  
236, 229) }
```

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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