

Converting Colors

XYZ(68.2698, 76.0097, 87.0989)

Have a look what the booklet for
XYZ(68.2698, 76.0097, 87.0989)
contains.

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Color

**XYZ(68.3182, 75.9572,
87.4044)**

Conversions

Conversions Part 1

Format	Color
Hex	CDE7E8
RGB	205, 231, 232
RGB Percent	80%, 91%, 91%
CMY	0.1961, 0.0941, 0.0902
CMYK	0.12, 0.00, 0.00, 0.09
HSL	182°, 37%, 86%
HSV	182°, 12%, 91%
XYZ	68.3182, 75.9572, 87.4044
YIQ	223.3400, -15.8170, -5.2010

Conversions

Conversions Part 2

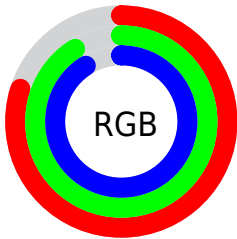
Format	Color
R _Y B	205, 218, 232
Decimal	13494248
CIE Lab	89.84, -8.32, -3.39
CIE LCh	90, 8.982, 202.195
Yxy	75.9572, 0.2949, 0.3279
Android (android.graphics.Color)	4291684328 (0xFFCDE7E8)
YUV	223.3400, 4.2694, -16.0842
Hunter-Lab	87.1534, -12.5952, 1.5467

Details

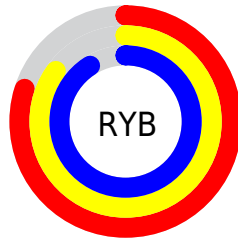
The XYZ color **68.3182, 75.9572, 87.4044** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.3698, 65.7057, 66.9431**, and the grayscale version is **70.3614, 74.0257, 80.6140**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9289, 40.3738, 46.9736** is the 20% darker color. If you saturate the color by 10%, you get **62.1486, 72.4238, 87.0487**, and if you desaturate by 10%, it is **75.4423, 79.9885, 87.8082**.

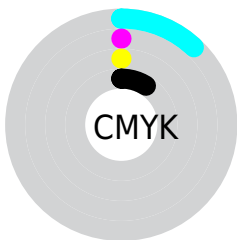
Distribution



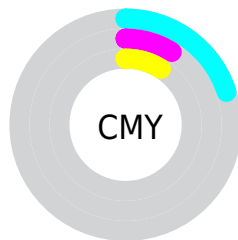
- Red (80%)
- Green (91%)
- Blue (91%)



- Red (80%)
- Yellow (85%)
- Blue (91%)



- Cyan (12%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (20%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3182, 75.9572, 87.4044 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 68.3182, 75.9572, 87.4044 by changing the saturation by 10% instead.

■ 68.3182, 75.9572,
87.4044

■ 68.3182, 75.9572,
87.4044

443.9817,
481.2012, 539.9015

■ 50.4313, 56.3974,
65.2684

115.8466,
127.6664, 145.6315

■ 35.9754, 40.5216,
47.2260

146.2189,
160.5846, 182.5597

■ 24.5852, 27.9455,
32.8587

181.4836,
198.7244, 225.2557

■ 15.8954, 18.2846,
21.7480

222.0061,
242.4702, 274.1380

■ 9.5405, 11.1545,
13.4753

268.1518,
292.2064, 329.6252

■ 5.1553, 6.1708,
7.6221

320.2861,

■ 2.3744, 2.9492,

348.3173, 392.1358

3.7698

378.7742,
411.1875, 462.0884

■ 0.8323, 1.1053,
1.4999

■ 0.0000, 0.0000,
0.2179

■ 68.3182, 75.9572,
87.4044

■ 68.3182, 75.9572,
87.4044

■ 62.1486, 72.4238,
87.0487

■ 75.4423, 79.9885,
87.8082

■ 56.8852, 69.3572,
86.7343


■ 83.5534, 84.5284,
88.2570


■ 52.4857, 66.7377,
86.4605


■ 85.1074, 85.6896,
88.3992


■ 48.9015, 64.5403,
86.2253


■ 85.3512, 86.1772,
88.4805


 46.0793, 62.7374,
86.0260


 85.5961, 86.6671,
88.5622


 43.9595, 61.2984,
85.8600


 85.8423, 87.1594,
88.6442

 42.4736, 60.1879,
85.7240

 86.0896, 87.6540,
88.7267

 41.5395, 59.3635,
85.6141

 86.3381, 88.1510,
88.8095

 41.0709, 58.8366,
85.5371

 86.5878, 88.6504,
88.8927

Harmonies

Analogous

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



68.0520, 75.9572, 81.0571



68.3182, 75.9572, 87.4044



69.6125, 75.9572, 92.7341

Triad

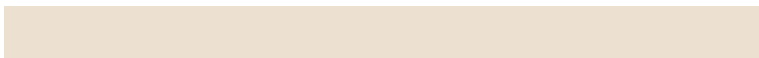
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.3182, 75.9572, 87.4044



75.6170, 75.9572, 90.4187



72.7757, 75.9572, 71.1852

Complementary

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



68.3182, 75.9572, 87.4044



66.3698, 65.7057, 66.9431

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.



74.8406, 75.9572, 73.4255



68.3182, 75.9572, 87.4044



76.5029, 75.9572, 84.3740

Square

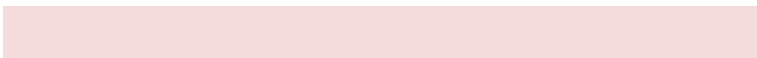
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



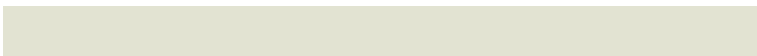
68.3182, 75.9572, 87.4044



73.8180, 75.9572, 94.5355



76.2158, 75.9572, 78.1761



70.5961, 75.9572, 71.9041

Rectangle

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



68.3182, 75.9572, 87.4044



70.8990, 75.9572, 94.8858



76.2158, 75.9572, 78.1761



73.5068, 75.9572, 71.6130

Sweetspot

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



68.3204, 75.9604, 87.4061



92.2013, 98.3978, 108.7409



65.1630, 75.1450, 69.3999



19.5759, 20.9716, 23.2661



0.0000, 0.0000, 0.0000



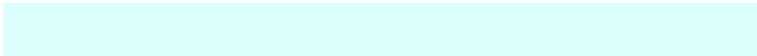
20.3446, 21.4041, 23.3091

Same Dimension

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



68.3204, 75.9604, 87.4061



82.6949, 93.0089, 108.2018



64.7113, 68.7421, 86.2031



14.7595, 16.2403, 18.5011



22.8220, 32.7061, 47.4932



1.7008, 2.4455, 3.5144

Inverse Universe

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



69.5355, 66.5894, 84.7932



84.4884, 79.2151, 104.3365



69.7353, 72.4368, 68.0650



14.9709, 14.6056, 18.0473



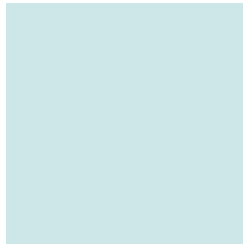
25.9130, 12.4994, 40.0323



1.9221, 0.9266, 2.9963

Previews

White Background



This preview shows how the XYZ color 68.3182, 75.9572, 87.4044 looks on a white background.

Color Contrast Check

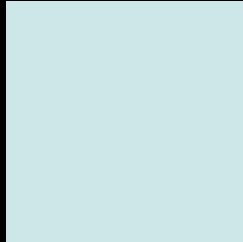
Large Text (above 18pt) WCAG AA × Fail

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 68.3182, 75.9572, 87.4044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

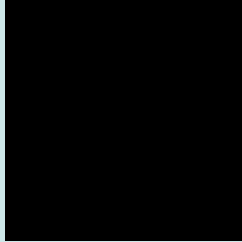
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

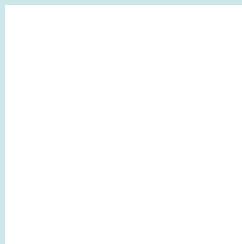
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.3182, 75.9572, 87.4044

Background



This preview shows how black text looks on a background with the XYZ color 68.3182, 75.9572, 87.4044.



This preview shows how white text looks on a background with the XYZ color 68.3182, 75.9572,

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

68.3182, 75.9572, 87.4044

Protanopia

72.9723, 75.5708, 84.1393

Deuteranopia

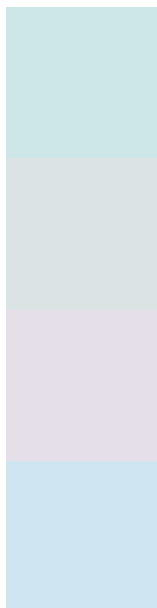
77.1449, 75.6582, 88.3794



Tritanopia

70.8202, 76.1639, 98.9642

Trichromacy



Original Color

68.3182, 75.9572, 87.4044

Protanomaly

71.1271, 75.8110, 85.0129

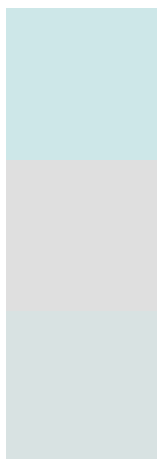
Deuteranomaly

73.4088, 75.3166, 87.7593

Tritanomaly

70.0560, 76.2698, 95.0336

Monochromacy



Original Color

68.3182, 75.9572, 87.4044

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.2427, 74.4826, 82.6786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3182, 75.9572, 87.4044 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(205, 231, 232) looks like.

```
.text, #text, p{  
    color:rgb(205, 231, 232)  
}
```

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(205, 231, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 231, 232) }
```

Border

The CSS property to change the border of an element to XYZ 68.3182, 75.9572, 87.4044 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(205, 231, 232) }
```


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

```
.border{ border-color:rgb(205, 231, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 231, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 231, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 231, 232);  
box-shadow:4px 4px 4px 4px rgb(205, 231,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3182, 75.9572, 87.4044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 231, 232) }
```

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

```
.background{ background-color: rgb(205,  
231, 232) }
```

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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