

Converting Colors

XYZ(67.9355, 76.6757, 83.2078)

Have a look what the booklet for
XYZ(67.9355, 76.6757, 83.2078)
contains.

XYZ(68.0432, 76.7479, 83.1791)	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(68.0432, 76.7479,
83.1791)**

Conversions

Conversions Part 1

Format	Color
Hex	CDE9E2
RGB	205, 233, 226
RGB Percent	80%, 91%, 89%
CMY	0.1961, 0.0863, 0.1137
CMYK	0.12, 0.00, 0.03, 0.09
HSL	165°, 39%, 86%
HSV	165°, 12%, 91%
XYZ	68.0432, 76.7479, 83.1791
YIQ	223.8300, -14.4410, -8.1130

Conversions

Conversions Part 2

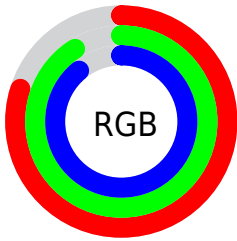
Format	Color
R_{YB}	205, 221, 233
Decimal	13494754
CIE _{Lab}	90.21, -10.50, 0.28
CIE _{LCh}	90, 10.500, 178.458
Yxy	76.7479, 0.2985, 0.3367
Android (android.graphics.Color)	4291684834 (0xFFCDE9E2)
YUV	223.8300, 1.0698, -16.5139
Hunter-Lab	87.6059, -14.6699, 5.0301

Details

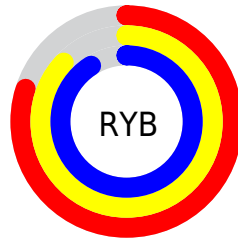
The XYZ color **68.0432, 76.7479, 83.1791** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.3220, 65.7417, 71.4319**, and the grayscale version is **70.7319, 74.4155, 81.0385**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8353, 40.9639, 44.5462** is the 20% darker color. If you saturate the color by 10%, you get **61.3027, 73.3660, 78.7614**, and if you desaturate by 10%, it is **75.7724, 80.6406, 87.7881**.

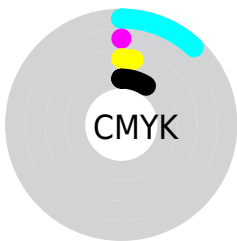
Distribution



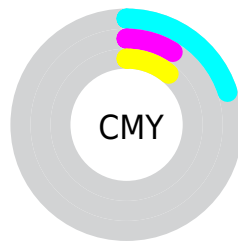
- Red (80%)
- Green (91%)
- Blue (89%)



- Red (80%)
- Yellow (87%)
- Blue (91%)



- Cyan (12%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)



- Cyan (20%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0432, 76.7479, 83.1791 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 68.0432, 76.7479, 83.1791 by changing the saturation by 10% instead.

■ 68.0432, 76.7479,
83.1791

■ 68.0432, 76.7479,
83.1791

443.0234,
483.9041, 525.5698

■ 50.2067, 57.0460,
61.7964

115.4555,
128.7836, 139.6778

■ 35.7961, 41.0422,
44.4335

145.7620,
161.8861, 175.6308

■ 24.4462, 28.3520,
30.6718

180.9559,
200.2243, 217.2778

■ 15.7914, 18.5912,
20.0927

221.4025,
244.1825, 265.0372

■ 9.4666, 11.3753,
12.2777

267.4672,
294.1453, 319.3275

■ 5.1063, 6.3198,
6.8083

319.5154,

■ 2.3452, 3.0405,

350.4968, 380.5674

3.2658

377.9123,
413.6216, 449.1753

■ 0.8176, 1.1529,
1.2319

■ 0.0000, 0.0227,
0.0050

■ 68.0432, 76.7479,
83.1791

■ 68.0432, 76.7479,
83.1791

■ 61.3027, 73.3660,
78.7614

■ 75.7724, 80.6406,
87.7881

■ 55.5019, 70.4633,
74.5266

■ 84.5237, 85.0549,
92.5866

■ 50.5974, 68.0196,
70.4729

■ 86.6311, 86.0409,
97.2188

■ 46.5399, 66.0094,
66.5964

■ 87.5277, 86.3996,
101.9402

■ 43.2749, 64.4049,
62.8932

■ 88.4303, 86.7606,
106.6934

■ 40.7417, 63.1745,
59.3590

■ 38.8703, 62.2825,
55.9890

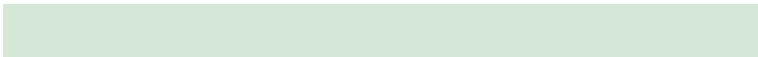
■ 37.5767, 61.6853,
52.7777

■ 36.8520, 61.3653,
50.3225

Harmonies

Analogous

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



68.7519, 76.7479, 76.2687



68.0432, 76.7479, 83.1791



68.6221, 76.7479, 90.6041

Triad

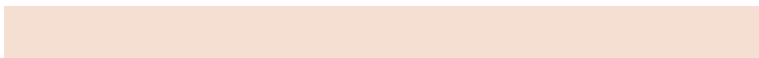
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.0432, 76.7479, 83.1791



75.3646, 76.7479, 96.8514



75.6040, 76.7479, 71.9032

Complementary

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



68.0432, 76.7479, 83.1791



67.3220, 65.7417, 71.4319

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.



77.4490, 76.7479, 76.9010



68.0432, 76.7479, 83.1791



77.3085, 76.7479, 91.3132

Square

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



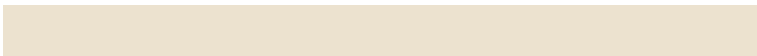
68.0432, 76.7479, 83.1791



72.8116, 76.7479, 98.7747



78.0800, 76.7479, 83.9529



73.0818, 76.7479, 70.0035

Rectangle

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



68.0432, 76.7479, 83.1791



69.6682, 76.7479, 94.7930



78.0800, 76.7479, 83.9529



76.3262, 76.7479, 73.2613

Sweetspot

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



68.0454, 76.7511, 83.1808



90.9884, 97.9533, 106.5803



67.4469, 76.7554, 69.0193



19.3166, 20.8861, 22.7201



0.0000, 0.0000, 0.0000



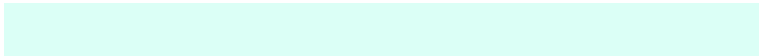
20.3446, 21.4041, 23.3091

Same Dimension

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



68.0454, 76.7511, 83.1808



81.7093, 93.2849, 100.9458



67.2106, 73.5121, 87.7414



15.3474, 17.0538, 18.5120



20.9617, 34.8392, 28.8273



1.6840, 2.7509, 2.4638

Inverse Universe

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



67.3220, 65.7417, 71.4319



80.6852, 77.6938, 84.3088



68.0532, 68.5876, 67.4107



15.2200, 15.1158, 16.4437



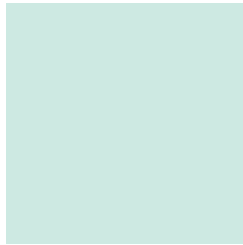
19.5468, 10.0214, 3.4149



1.5725, 0.8020, 0.4661

Previews

White Background



This preview shows how the XYZ color 68.0432, 76.7479, 83.1791 looks on a white background.

Color Contrast Check

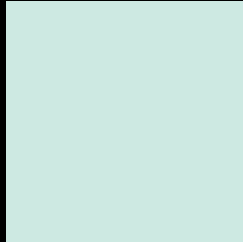
Large Text (above 18pt) WCAG AA × Fail

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 68.0432, 76.7479, 83.1791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

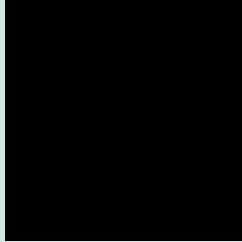
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

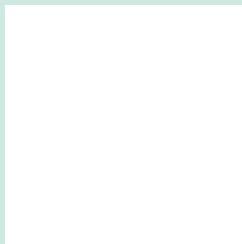
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.0432, 76.7479, 83.1791

Background



This preview shows how black text looks on a background with the XYZ color 68.0432, 76.7479, 83.1791.

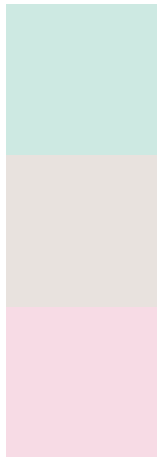


This preview shows how white text looks on a background with the XYZ color 68.0432, 76.7479,

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

68.0432, 76.7479, 83.1791

Protanopia

73.6599, 76.8224, 80.0532

Deuteranopia

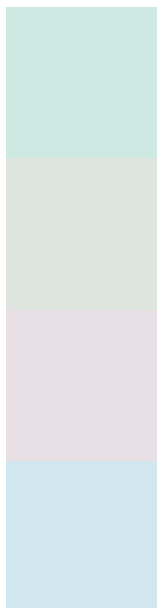
77.8321, 76.0943, 84.7142



Tritanopia

71.5346, 76.9262, 99.8849

Trichromacy



Original Color

68.0432, 76.7479, 83.1791

Protanomaly

71.4628, 76.8959, 80.8879

Deuteranomaly

73.9380, 76.0686, 84.1845

Tritanomaly

70.3165, 76.8530, 93.5661

Monochromacy



Original Color

68.0432, 76.7479, 83.1791

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.6750, 75.1261, 82.0627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0432, 76.7479, 83.1791 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, 233, 226)` looks like.

```
.text, #text, p{  
    color:rgb(205, 233, 226)  
}
```

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, 233, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 233, 226) }
```

Border

The CSS property to change the border of an element to XYZ 68.0432, 76.7479, 83.1791 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, 233, 226) }
```


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

```
.border{ border-color:rgb(205, 233, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 233, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 233, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 233, 226);  
box-shadow:4px 4px 4px 4px rgb(205, 233,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0432, 76.7479, 83.1791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 233, 226) }
```

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

```
.background{ background-color: rgb(205,  
233, 226) }
```

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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