

Converting Colors

XYZ(68.2239, 76.4091, 93.3573)

Have a look what the booklet for
XYZ(68.2239, 76.4091, 93.3573)
contains.

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Color

**XYZ(68.4203, 76.7112,
93.6387)**

Conversions

Conversions Part 1

Format	Color
Hex	C7E9F0
RGB	199, 233, 240
RGB Percent	78%, 91%, 94%
CMY	0.2196, 0.0863, 0.0588
CMYK	0.17, 0.03, 0.00, 0.06
HSL	190°, 58%, 86%
HSV	190°, 17%, 94%
XYZ	68.4203, 76.7112, 93.6387
YIQ	223.6320, -22.5110, -5.0310

Conversions

Conversions Part 2

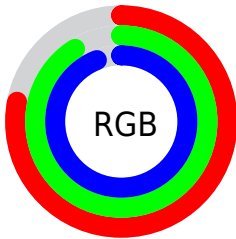
Format	Color
R _Y B	199, 218, 240
Decimal	13101552
CIE Lab	90.19, -9.60, -7.11
CIE LCh	90, 11.945, 216.528
Yxy	76.7112, 0.2866, 0.3213
Android (android.graphics.Color)	4291291632 (0xFFC7E9F0)
YUV	223.6320, 8.0694, -21.6023
Hunter-Lab	87.5849, -13.8316, -2.0786

Details

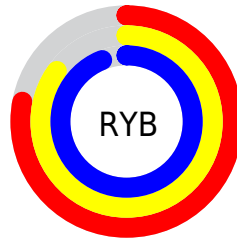
The XYZ color **68.4203, 76.7112, 93.6387** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.3160, 66.7915, 63.3258**, and the grayscale version is **70.5466, 74.2205, 80.8261**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0509, 40.9247, 51.3466** is the 20% darker color. If you saturate the color by 10%, you get **61.4023, 71.3939, 92.9835**, and if you desaturate by 10%, it is **76.4740, 82.6064, 94.3533**.

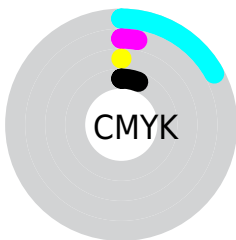
Distribution



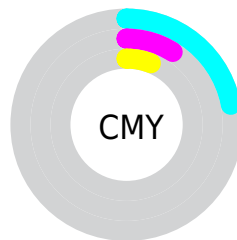
- Red (78%)
- Green (91%)
- Blue (94%)



- Red (78%)
- Yellow (85%)
- Blue (94%)



- Cyan (17%)
- Magenta (3%)
- Yellow (0%)
- Black (6%)



- Cyan (22%)
- Magenta (9%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4203, 76.7112, 93.6387 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 68.4203, 76.7112, 93.6387 by changing the saturation by 10% instead.

■ 68.4203, 76.7112,
93.6387

■ 68.4203, 76.7112,
93.6387

444.3371,
483.7788, 560.6703

■ 50.5147, 57.0159,
70.4119

115.9918,
128.7317, 154.3619

■ 36.0420, 41.0180,
51.3835

146.3884,
161.8257, 192.6954

■ 24.6369, 28.3331,
36.1351

181.6794,
200.1547, 236.9015

■ 15.9340, 18.5769,
24.2480

222.2301,
244.1032, 287.3988

■ 9.5680, 11.3650,
15.3038

268.4058,
294.0554, 344.6057

■ 5.1736, 6.3129,
8.8839

320.5720,

■ 2.3853, 3.0363,

350.3958, 408.9410

4.5697

379.0940,
413.5088, 480.8230

■ 0.8378, 1.1507,
1.9428

■ 0.0000, 0.0209,
0.5198

■ 68.4203, 76.7112,
93.6387

■ 68.4203, 76.7112,
93.6387

■ 61.4023, 71.3939,
92.9835

■ 76.4740, 82.6064,
94.3533

■ 55.3660, 66.6203,
92.3802

■ 85.6007, 89.0930,
95.1244

■ 50.2630, 62.3673,
91.8283

■ 89.7093, 93.0332,
95.6683

■ 46.0376, 58.6059,
91.3249

■ 90.9642, 95.5429,
96.0866

■ 42.6281, 55.3039,
90.8673

■ 92.2466, 98.1078,
96.5141

■ 39.9649, 52.4253,
90.4520

■ 92.7284, 99.0714,
96.6747

■ 37.9659, 49.9274,
90.0753

■ 36.5256, 47.7555,
89.7320

■ 36.1618, 47.1582,
89.6358

Harmonies

Analogous

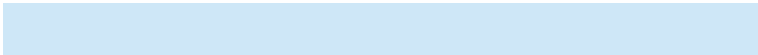
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.3863, 76.7112, 85.3978



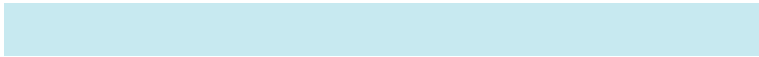
68.4203, 76.7112, 93.6387



70.6617, 76.7112, 99.4358

Triad

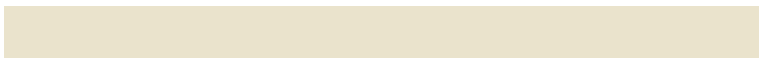
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.4203, 76.7112, 93.6387



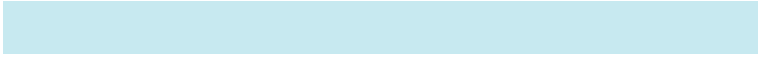
78.2739, 76.7112, 90.2075



72.2647, 76.7112, 68.3136

Complementary

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



68.4203, 76.7112, 93.6387



68.3160, 66.7915, 63.3258

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.



75.2090, 76.7112, 69.4098



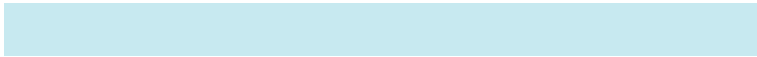
68.4203, 76.7112, 93.6387



78.7312, 76.7112, 81.6806

Square

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



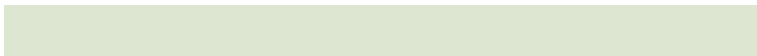
68.4203, 76.7112, 93.6387



76.3624, 76.7112, 97.3627



77.5955, 76.7112, 74.1679



69.5666, 76.7112, 71.0655

Rectangle

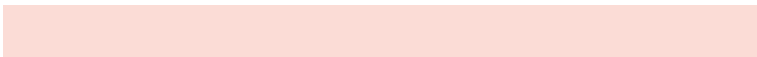
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.4203, 76.7112, 93.6387



72.5665, 76.7112, 100.9290



77.5955, 76.7112, 74.1679



73.2579, 76.7112, 68.2472

Sweetspot

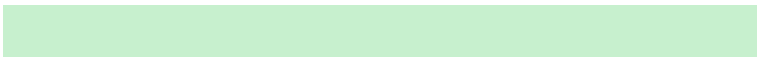
The Sweet Spot groups the original color and five complimentary colors.



68.4225, 76.7144, 93.6404



89.8236, 96.2811, 108.4576



65.8350, 78.9118, 70.0496



19.0741, 20.4992, 23.2014



0.0000, 0.0000, 0.0000



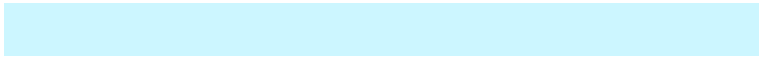
20.3446, 21.4041, 23.3091

Same Dimension

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



68.4225, 76.7144, 93.6404



75.9979, 86.1494, 107.2307



62.9933, 65.8559, 91.8307



16.0045, 17.4430, 20.2449



19.8815, 25.9872, 49.0960



1.7139, 2.2818, 4.1043

Inverse Universe

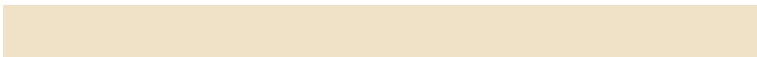
The Inverse Universe completely reimagines the original color for something new.



71.0684, 65.2570, 85.9445



79.5130, 71.1178, 96.9638



73.5324, 77.2244, 65.0646



16.3317, 15.9824, 19.3029



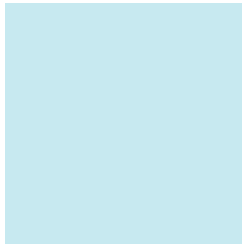
25.3609, 12.4168, 30.8806



2.1401, 1.0451, 2.7284

Previews

White Background



This preview shows how the XYZ color 68.4203, 76.7112, 93.6387 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 68.4203, 76.7112, 93.6387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

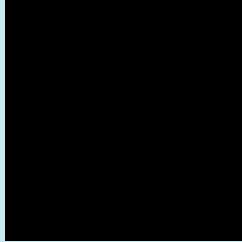
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.4203, 76.7112, 93.6387

Background



This preview shows how black text looks on a background with the XYZ color 68.4203, 76.7112, 93.6387.

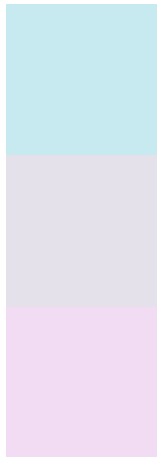


This preview shows how white text looks on a background with the XYZ color 68.4203, 76.7112,

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

68.4203, 76.7112, 93.6387

Protanopia

73.9155, 76.3426, 89.4371

Deuteranopia

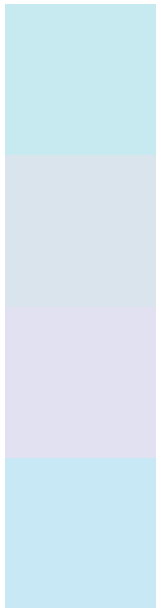
78.0465, 76.3582, 95.4191



Tritanopia

69.9186, 76.4715, 101.5178

Trichromacy



Original Color

68.4203, 76.7112, 93.6387

Protanomaly

71.6447, 76.3529, 91.0823

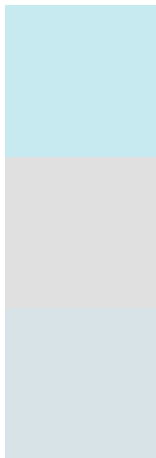
Deuteranomaly

74.3163, 76.4300, 94.8400

Tritanomaly

69.3106, 76.6464, 98.3300

Monochromacy



Original Color

68.4203, 76.7112, 93.6387

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.7763, 75.0984, 85.6807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4203, 76.7112, 93.6387 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(199, 233, 240)` looks like.

```
.text, #text, p{  
    color:rgb(199, 233, 240)  
}
```

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(199, 233, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 233, 240) }
```

Border

The CSS property to change the border of an element to XYZ 68.4203, 76.7112, 93.6387 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(199, 233, 240) }
```


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

```
.border{ border-color:rgb(199, 233, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 233, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 233, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 233, 240);  
box-shadow:4px 4px 4px 4px rgb(199, 233,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4203, 76.7112, 93.6387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 233, 240) }
```

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

```
.background{ background-color: rgb(199,  
233, 240) }
```

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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