

Converting Colors

XYZ(71.7213, 83.0018, 96.0068)

Have a look what the booklet for
XYZ(71.7213, 83.0018, 96.0068)
contains.

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Color

**XYZ(71.9309, 83.2543,
96.2829)**

Conversions

Conversions Part 1

Format	Color
Hex	C7F4F2
RGB	199, 244, 242
RGB Percent	78%, 96%, 95%
CMY	0.2196, 0.0431, 0.0510
CMYK	0.18, 0.00, 0.01, 0.04
HSL	177°, 67%, 87%
HSV	177°, 18%, 96%
XYZ	71.9309, 83.2543, 96.2829
YIQ	230.3170, -26.1780, -10.1620

Conversions

Conversions Part 2

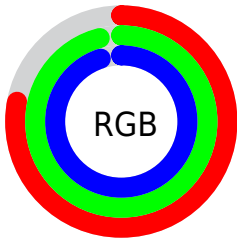
Format	Color
R_{YB}	199, 222, 244
Decimal	13104370
CIE Lab	93.13, -14.72, -3.82
CIE LCh	93, 15.209, 194.544
Yxy	83.2543, 0.2860, 0.3311
Android (android.graphics.Color)	4291294450 (0xFFC7F4F2)
YUV	230.3170, 5.7597, -27.4650
Hunter-Lab	91.2438, -18.9584, 1.3063

Details

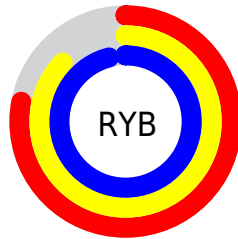
The XYZ color **71.9309, 83.2543, 96.2829** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.2773, 64.2993, 64.0744**, and the grayscale version is **75.4230, 79.3509, 86.4131**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3477, 45.4409, 53.2042** is the 20% darker color. If you saturate the color by 10%, you get **65.8067, 80.1182, 95.1489**, and if you desaturate by 10%, it is **79.0989, 86.9328, 97.4744**.

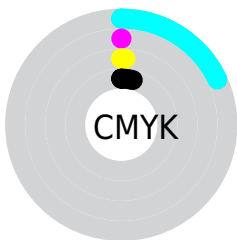
Distribution



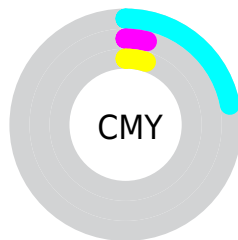
- Red (78%)
- Green (96%)
- Blue (95%)



- Red (78%)
- Yellow (87%)
- Blue (96%)



- Cyan (18%)
- Magenta (0%)
- Yellow (1%)
- Black (4%)



- Cyan (22%)
- Magenta (4%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.9309, 83.2543, 96.2829 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 71.9309, 83.2543, 96.2829 by changing the saturation by 10% instead.

71.9309, 83.2543,
96.2829

71.9309, 83.2543,
96.2829

456.4624,
505.8336, 569.3529

53.3875, 62.4000,
72.6004

120.9696,
137.9316, 158.0466

38.3409, 45.3560,
53.1595

152.1956,
172.5233, 196.9649

26.4258, 31.7379,
37.5415

188.3799,
212.4629, 241.7988

17.2768, 21.1614,
25.3280

229.8878,
258.1349, 292.9670

10.5286, 13.2420,
16.1003

277.0846,
309.9235, 350.8880

5.8157, 7.5954,
9.4400

330.3358,

2.7730, 3.8372,

368.2133, 415.9803

4.9286

390.0066,
433.3885, 488.6624

■ 1.0349, 1.5829,
2.1474

■ 0.0000, 0.3460,
0.6438

■ 71.9309, 83.2543,
96.2829

■ 71.9309, 83.2543,
96.2829

■ 65.8067, 80.1182,
95.1489

■ 79.0989, 86.9328,
97.4744

■ 60.6698, 77.4887,
94.0643


■ 87.3495, 91.1672,
98.7198


■ 56.4691, 75.3417,
93.0286


■ 90.1134, 92.5728,
99.7135


■ 53.1462, 73.6471,
92.0391


■ 90.2800, 92.6395,
100.5908


 50.6361, 72.3715,
91.0926


 90.4476, 92.7065,
101.4732


 48.8649, 71.4766,
90.1856


 90.6161, 92.7739,
102.3608


 47.7451, 70.9175,
89.3142

 90.7856, 92.8417,
103.2535

 47.1523, 70.6299,
88.4725

 90.9561, 92.9099,
104.1514

 47.0806, 70.5957,
88.3428

 91.1276, 92.9785,
105.0544

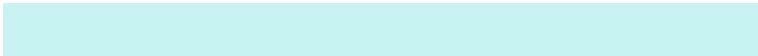
Harmonies

Analogous

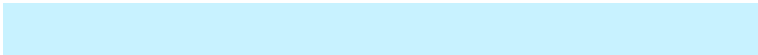
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.9606, 83.2543, 84.9164



71.9309, 83.2543, 96.2829



73.7851, 83.2543, 106.9608

Triad

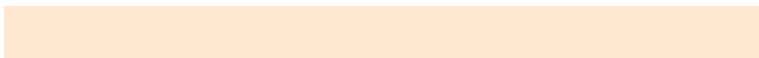
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.9309, 83.2543, 96.2829



84.6380, 83.2543, 107.2376



81.1941, 83.2543, 71.0696

Complementary

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



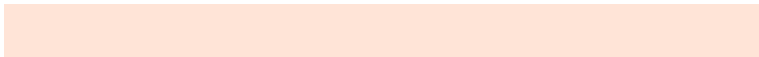
71.9309, 83.2543, 96.2829



68.2773, 64.2993, 64.0744

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.



84.7285, 83.2543, 76.0875



71.9309, 83.2543, 96.2829



86.7620, 83.2543, 96.6356

Square

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



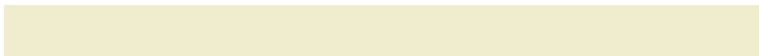
71.9309, 83.2543, 96.2829



81.0739, 83.2543, 113.6369



86.7956, 83.2543, 85.2408



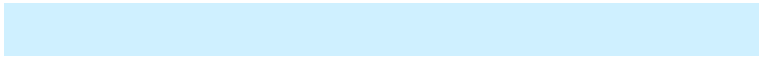
77.2188, 83.2543, 70.9926

Rectangle

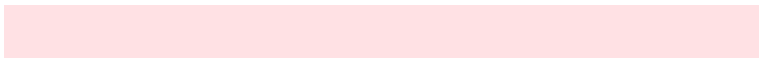
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



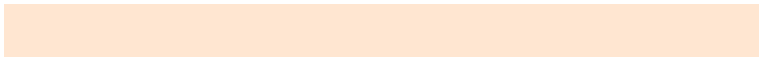
71.9309, 83.2543, 96.2829



75.8771, 83.2543, 111.9826



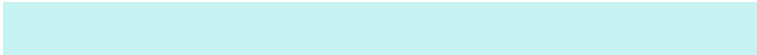
86.7956, 83.2543, 85.2408



82.4761, 83.2543, 72.2144

Sweetspot

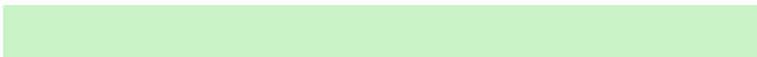
The Sweet Spot groups the original color and five complimentary colors.



71.9333, 83.2577, 96.2848



89.5339, 97.1690, 108.0705



66.8167, 81.2806, 66.2015



19.0411, 20.7351, 23.1125



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.



71.9333, 83.2577, 96.2848



76.9371, 90.7086, 105.9672



66.4733, 71.8535, 95.9575



16.9630, 18.7443, 21.0893



25.6127, 38.3899, 48.1077



2.2608, 3.3780, 4.2793

Inverse Universe

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



68.2773, 64.2993, 64.0744



72.2299, 66.2966, 64.4933



73.0168, 74.1531, 64.4990



16.5290, 16.4945, 17.2664



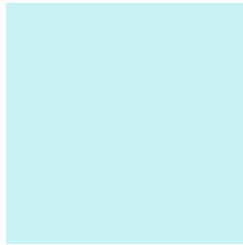
20.3316, 10.4761, 1.1884



1.7973, 0.9249, 0.1588

Previews

White Background



This preview shows how the XYZ color 71.9309, 83.2543, 96.2829 looks on a white background.

Color Contrast Check

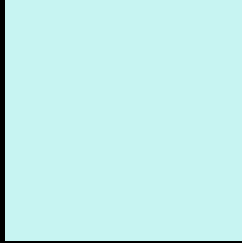
Large Text (above 18pt) WCAG AA × Fail

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 71.9309, 83.2543, 96.2829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

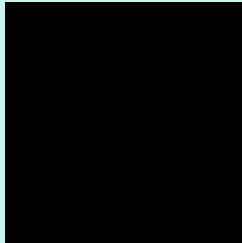
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.9309, 83.2543, 96.2829

Background



This preview shows how black text looks on a background with the XYZ color 71.9309, 83.2543, 96.2829.



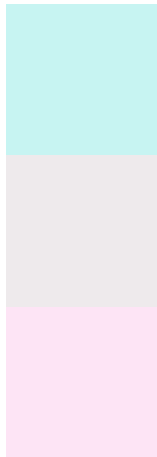
This preview shows how white text looks on a background with the XYZ color 71.9309, 83.2543,

96.2829.

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

71.9309, 83.2543, 96.2829

Protanopia

79.8230, 83.0789, 91.1856

Deuteranopia

84.7328, 82.9620, 97.9336



Tritanopia

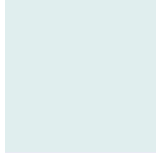
75.7884, 83.2418, 106.6805

Trichromacy



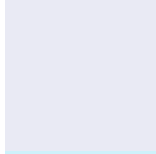
Original Color

71.9309, 83.2543, 96.2829



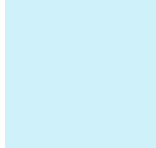
Protanomaly

76.7476, 83.1694, 92.8972



Deuteranomaly

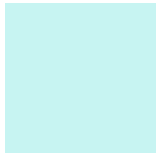
79.3562, 82.7009, 97.3683



Tritanomaly

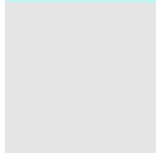
74.1642, 82.9345, 102.5416

Monochromacy



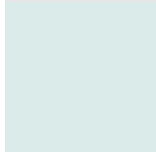
Original Color

71.9309, 83.2543, 96.2829



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

73.7730, 80.4172, 89.4757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.9309, 83.2543, 96.2829 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, 244, 242)` looks like.

```
.text, #text, p{  
    color:rgb(199, 244, 242)  
}
```

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, 244, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 244, 242) }
```

Border

The CSS property to change the border of an element to XYZ 71.9309, 83.2543, 96.2829 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, 244, 242) }
```


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

```
.border{ border-color:rgb(199, 244, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 244, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 244, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 244, 242);  
box-shadow:4px 4px 4px 4px rgb(199, 244,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 71.9309, 83.2543, 96.2829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 244, 242) }
```

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

```
.background{ background-color: rgb(199,  
244, 242) }
```

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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