

Converting Colors

XYZ(70.4630, 81.3762, 92.4525)

Have a look what the booklet for
XYZ(70.4630, 81.3762, 92.4525)
contains.

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Color

**XYZ(70.2945, 81.1671,
92.0827)**

Conversions

Conversions Part 1

Format	Color
Hex	C7F1ED
RGB	199, 241, 237
RGB Percent	78%, 95%, 93%
CMY	0.2196, 0.0549, 0.0706
CMYK	0.17, 0.00, 0.02, 0.05
HSL	174°, 60%, 86%
HSV	174°, 17%, 95%
XYZ	70.2945, 81.1671, 92.0827
YIQ	227.9860, -23.7480, -10.1480

Conversions

Conversions Part 2

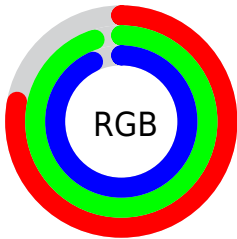
Format	Color
R _{YB}	199, 221, 241
Decimal	13103597
CIE Lab	92.21, -14.24, -2.57
CIE LCh	92, 14.470, 190.238
Yxy	81.1671, 0.2886, 0.3333
Android (android.graphics.Color)	4291293677 (0xFFC7F1ED)
YUV	227.9860, 4.4439, -25.4207
Hunter-Lab	90.0928, -18.3885, 2.4654

Details

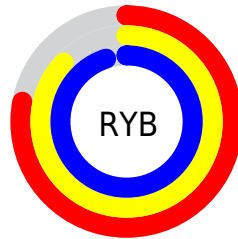
The XYZ color **70.2945, 81.1671, 92.0827** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.4814, 63.8615, 65.2731**, and the grayscale version is **73.7154, 77.5543, 84.4567**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1911, 43.9634, 50.2417** is the 20% darker color. If you saturate the color by 10%, you get **64.0667, 77.9972, 90.0521**, and if you desaturate by 10%, it is **77.5440, 84.8675, 94.1870**.

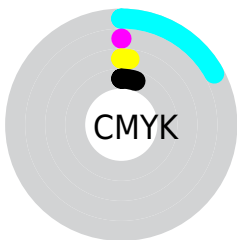
Distribution



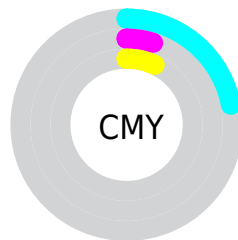
- Red (78%)
- Green (95%)
- Blue (93%)



- Red (78%)
- Yellow (87%)
- Blue (95%)



- Cyan (17%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)



- Cyan (22%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2945, 81.1671, 92.0827 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 70.2945, 81.1671, 92.0827 by changing the saturation by 10% instead.

70.2945, 81.1671,
92.0827

70.2945, 81.1671,
92.0827

450.8337,
498.8574, 555.5267

52.0471, 60.6792,
69.1259

118.6526,
135.0054, 152.1887

37.2671, 43.9663,
50.3419

149.4941,
169.1246, 190.1750

25.5890, 30.6441,
35.3120

185.2643,
208.5563, 234.0082

16.6475, 20.3280,
23.6179

226.3285,
253.6850, 284.1068

10.0772, 12.6337,
14.8408

273.0523,
304.8951, 340.8895

5.5128, 7.1768,
8.5624

325.8008,

2.5890, 3.5729,

362.5709, 404.7746

4.3640

384.9395,
427.0969, 476.1809

■ 0.9404, 1.4376,
1.8271

■ 0.0000, 0.2442,
0.4457

■ 70.2945, 81.1671,
92.0827

■ 70.2945, 81.1671,
92.0827

■ 64.0667, 77.9972,
90.0521

■ 77.5440, 84.8675,
94.1870

■ 58.8059, 75.3232,
88.0874

■ 85.8525, 89.1112,
96.3616

■ 54.4631, 73.1220,
86.1880

■ 89.0096, 90.6987,
98.3178

■ 50.9823, 71.3646,
84.3511

■ 89.3604, 90.8390,
100.1653

■ 48.3010, 70.0189,
82.5737

■ 89.7157, 90.9811,
102.0359

■ 46.3486, 69.0485,
80.8524

■ 90.0752, 91.1249,
103.9294

■ 45.0418, 68.4104,
79.1834

■ 90.4392, 91.2705,
105.8461

■ 44.2713, 68.0483,
77.5612

■ 90.7468, 91.3935,
107.4656

■ 44.1163, 67.9773,
77.1496

Harmonies

Analogous

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



70.5849, 81.1671, 81.6050



70.2945, 81.1671, 92.0827



71.7945, 81.1671, 102.3372

Triad

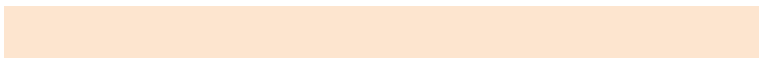
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.2945, 81.1671, 92.0827



81.8786, 81.1671, 105.0226



79.6002, 81.1671, 70.4028

Complementary

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



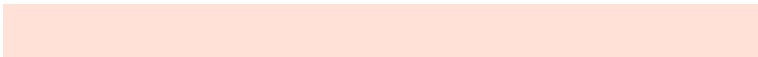
70.2945, 81.1671, 92.0827



67.4814, 63.8615, 65.2731

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.



82.7589, 81.1671, 75.7482



70.2945, 81.1671, 92.0827



84.1035, 81.1671, 95.5140

Square

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



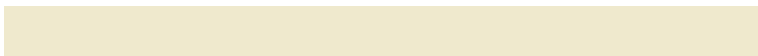
70.2945, 81.1671, 92.0827



78.4301, 81.1671, 110.1973



84.4307, 81.1671, 84.7724



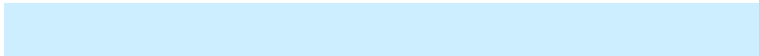
75.8777, 81.1671, 69.6461

Rectangle

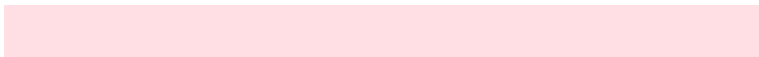
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



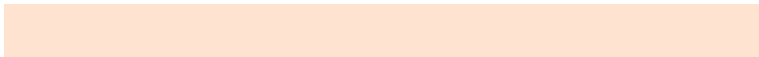
70.2945, 81.1671, 92.0827



73.6372, 81.1671, 107.4573



84.4307, 81.1671, 84.7724



80.7663, 81.1671, 71.7009

Sweetspot

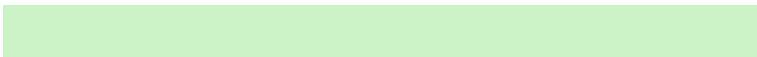
The Sweet Spot groups the original color and five complimentary colors.



70.2968, 81.1705, 92.0845



90.3188, 97.5835, 107.6606



66.4496, 79.7621, 65.9275



19.1949, 20.8169, 23.0069



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.



70.2968, 81.1705, 92.0845



77.2076, 90.8956, 103.8325



66.1421, 71.9145, 93.6178



16.1786, 17.9015, 19.9635



23.9498, 36.8719, 41.9799



2.0111, 3.0749, 3.5910

Inverse Universe

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



67.4814, 63.8615, 65.2731



73.4397, 67.7266, 67.9477



71.0919, 71.8362, 64.1530



15.8340, 15.7833, 16.6820



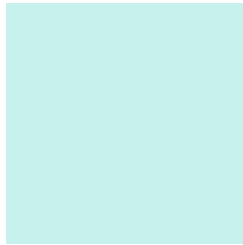
19.7766, 10.1831, 1.4742



1.6658, 0.8554, 0.2308

Previews

White Background



This preview shows how the XYZ color 70.2945, 81.1671, 92.0827 looks on a white background.

Color Contrast Check

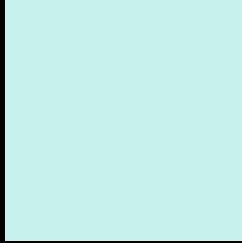
Large Text (above 18pt) WCAG AA × Fail

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 70.2945, 81.1671, 92.0827 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

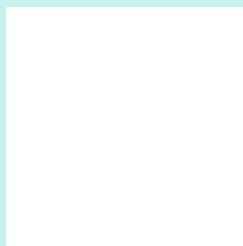
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.2945, 81.1671, 92.0827

Background



This preview shows how black text looks on a background with the XYZ color 70.2945, 81.1671, 92.0827.

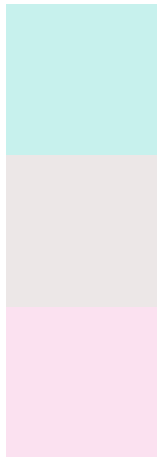


This preview shows how white text looks on a background with the XYZ color 70.2945, 81.1671,

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

70.2945, 81.1671, 92.0827

Protanopia

77.5918, 80.7542, 87.0989

Deuteranopia

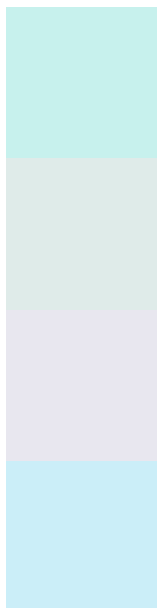
82.4371, 80.6509, 93.6604



Tritanopia

73.5110, 80.7675, 106.3230

Trichromacy



Original Color

70.2945, 81.1671, 92.0827

Protanomaly

74.8477, 80.9878, 88.7781

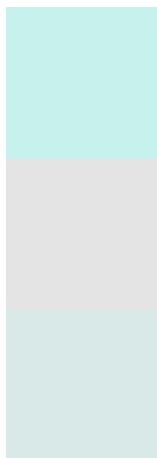
Deuteranomaly

77.4346, 80.5396, 93.1258

Tritanomaly

72.1464, 80.6229, 100.5662

Monochromacy



Original Color

70.2945, 81.1671, 92.0827

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.1780, 78.7991, 87.0069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2945, 81.1671, 92.0827 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, 241, 237)` looks like.

```
.text, #text, p{  
    color:rgb(199, 241, 237)  
}
```

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, 241, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 241, 237) }
```

Border

The CSS property to change the border of an element to XYZ 70.2945, 81.1671, 92.0827 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, 241, 237) }
```


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

```
.border{ border-color:rgb(199, 241, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 241, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 241, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 241, 237);  
box-shadow:4px 4px 4px 4px rgb(199, 241,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2945, 81.1671, 92.0827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 241, 237) }
```

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

```
.background{ background-color: rgb(199,  
241, 237) }
```

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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