

Converting Colors

XYZ(70.7306, 82.9670, 96.5307)

Have a look what the booklet for
XYZ(70.7306, 82.9670, 96.5307)
contains.

XYZ(70.6717, 83.0531, 96.3105)	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(70.6717, 83.0531,
96.3105)**

Conversions

Conversions Part 1

Format	Color
Hex	C1F5F2
RGB	193, 245, 242
RGB Percent	76%, 96%, 95%
CMY	0.2431, 0.0392, 0.0510
CMYK	0.21, 0.00, 0.01, 0.04
HSL	177°, 72%, 86%
HSV	177°, 21%, 96%
XYZ	70.6717, 83.0531, 96.3105
YIQ	229.1100, -30.0290, -11.9570

Conversions

Conversions Part 2

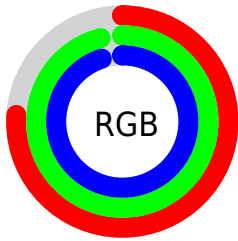
Format	Color
R_{YB}	193, 220, 245
Decimal	12711410
CIE _{Lab}	93.04, -17.02, -3.99
CIE _{LCh}	93, 17.478, 193.193
Yxy	83.0531, 0.2826, 0.3322
Android (android.graphics.Color)	4290901490 (0xFFC1F5F2)
YUV	229.1100, 6.3548, -31.6685
Hunter-Lab	91.1335, -21.0614, 1.1353

Details

The XYZ color **70.6717, 83.0531, 96.3105** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.6928, 61.5401, 60.5912**, and the grayscale version is **74.5296, 78.4109, 85.3895**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **37.5418, 45.3436, 53.2279** is the 20% darker color. If you saturate the color by 10%, you get **64.7249, 80.0141, 94.9288**, and if you desaturate by 10%, it is **77.6596, 86.6330, 97.7531**.

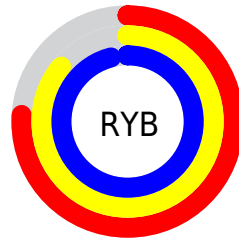
Distribution



Red (76%)

Green (96%)

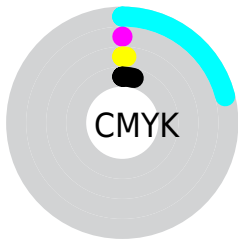
Blue (95%)



Red (76%)

Yellow (86%)

Blue (96%)

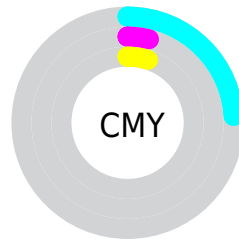


Cyan (21%)

Magenta (0%)

Yellow (1%)

Black (4%)



Cyan (24%)

Magenta (4%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6717, 83.0531, 96.3105 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 70.6717, 83.0531, 96.3105 by changing the saturation by 10% instead.

70.6717, 83.0531,
96.3105

70.6717, 83.0531,
96.3105

452.1347,
505.1635, 569.4431

52.3559, 62.2340,
72.6233

119.1872,
137.6498, 158.0850

37.5142, 45.2218,
53.1780

150.1176,
172.1962, 197.0093

25.7814, 31.6321,
37.5562

185.9836,
212.0871, 241.8498

16.7920, 21.0807,
25.3393

227.1505,
257.7070, 293.0250

10.1807, 13.1830,
16.1087

273.9837,
309.4401, 350.9534

5.5821, 7.5547,
9.4459

326.8486,

2.6309, 3.8113,

367.6710, 416.0535

4.9324

386.1105,
432.7840, 488.7439

0.9617, 1.5686,
2.1496

0.0000, 0.3363,
0.6451

70.6717, 83.0531,
96.3105

70.6717, 83.0531,
96.3105

64.7249, 80.0141,
94.9288

77.6596, 86.6330,
97.7531

59.7611, 77.4794,
93.5998

85.7287, 90.7680,
99.2531

55.7275, 75.4241,
92.3230

90.5663, 93.2368,
100.6105

52.5633, 73.8168,
91.0954

90.7847, 93.3241,
101.7603

50.2008, 72.6225,
89.9137

91.0047, 93.4122,
102.9189

48.5619, 71.8012,
88.7745

91.2264, 93.5008,
104.0863

47.5532, 71.3045,
87.6732

91.4498, 93.5902,
105.2624

47.0573, 71.0692,
86.7320

91.6748, 93.6802,
106.4473

91.9015, 93.7708,
107.6411

Harmonies

Analogous

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



70.8053, 83.0531, 83.3322



70.6717, 83.0531, 96.3105



72.6913, 83.0531, 108.8165

Triad

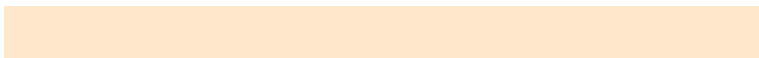
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.6717, 83.0531, 96.3105



85.1223, 83.0531, 110.0936



81.5134, 83.0531, 68.3708

Complementary

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



70.6717, 83.0531, 96.3105



66.6928, 61.5401, 60.5912

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.



85.5358, 83.0531, 74.2421



70.6717, 83.0531, 96.3105



87.6740, 83.0531, 97.9213

Square

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



70.6717, 83.0531, 96.3105



80.9667, 83.0531, 117.2773



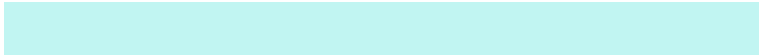
87.8282, 83.0531, 84.7952



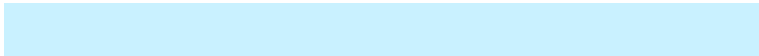
76.9464, 83.0531, 68.0298

Rectangle

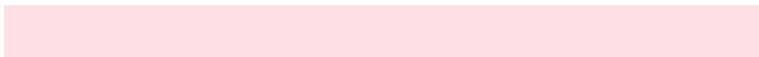
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



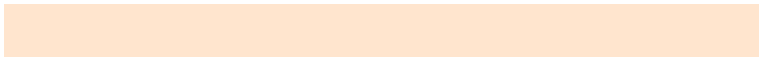
70.6717, 83.0531, 96.3105



75.0340, 83.0531, 114.8623



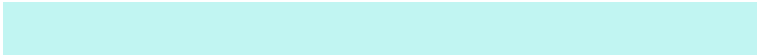
87.8282, 83.0531, 84.7952



82.9782, 83.0531, 69.7352

Sweetspot

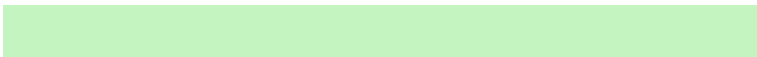
The Sweet Spot groups the original color and five complimentary colors.



70.6741, 83.0565, 96.3124



89.5015, 97.1560, 107.8995



65.1670, 80.9570, 62.6450



19.0334, 20.7321, 23.0719



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

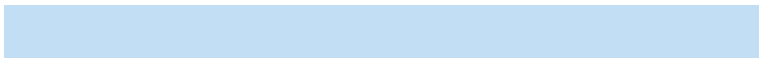
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.6741, 83.0565, 96.3124



74.7716, 89.6139, 104.8865



64.7215, 70.4235, 96.5721



16.9529, 18.7403, 21.0365



25.3677, 38.2919, 46.8176



2.2419, 3.3704, 4.1800

Inverse Universe

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



66.6928, 61.5401, 60.5912



69.7680, 62.5678, 59.9889



71.7212, 72.1385, 60.5974



16.5379, 16.4980, 17.3133



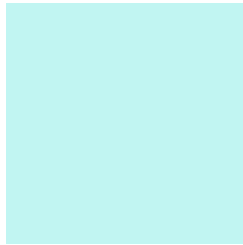
20.3451, 10.4815, 1.2599



1.8015, 0.9266, 0.1812

Previews

White Background



This preview shows how the XYZ color 70.6717, 83.0531, 96.3105 looks on a white background.

Color Contrast Check

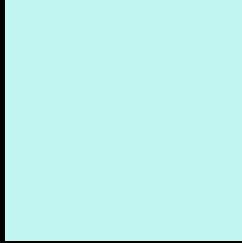
Large Text (above 18pt) WCAG AA × Fail

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 70.6717, 83.0531, 96.3105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

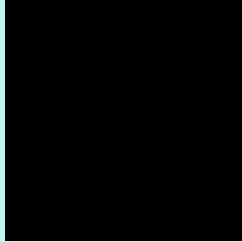
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.6717, 83.0531, 96.3105

Background



This preview shows how black text looks on a background with the XYZ color 70.6717, 83.0531, 96.3105.

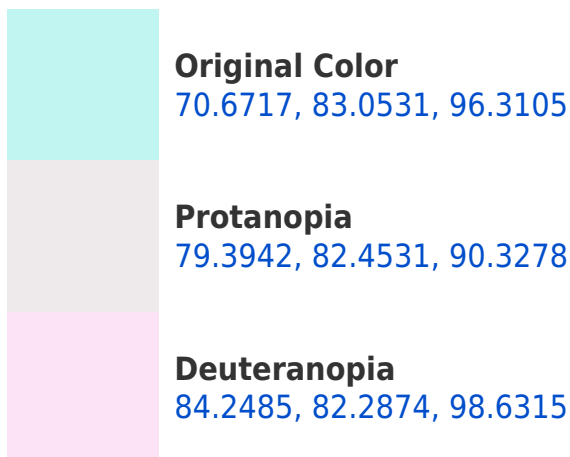


This preview shows how white text looks on a background with the XYZ color 70.6717, 83.0531,

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





Tritanopia

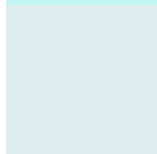
74.9422, 82.8056, 106.6409

Trichromacy



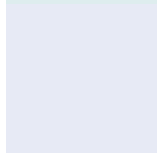
Original Color

70.6717, 83.0531, 96.3105



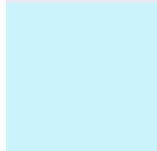
Protanomaly

75.8410, 82.2710, 92.7716



Deuteranomaly

78.8592, 82.4271, 98.1399



Tritanomaly

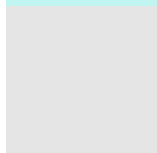
73.3646, 82.9629, 102.5892

Monochromacy



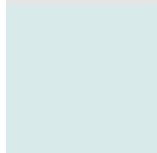
Original Color

70.6717, 83.0531, 96.3105



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

72.8785, 79.9561, 89.4339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6717, 83.0531, 96.3105 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(193, 245, 242)` looks like.

```
.text, #text, p{  
    color:rgb(193, 245, 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(193, 245, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 245, 242) }
```

Border

The CSS property to change the border of an element to XYZ 70.6717, 83.0531, 96.3105 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(193, 245, 242) }
```


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

```
.border{ border-color:rgb(193, 245, 242) }
```

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

Here you see how a box with a 4 pixel rgb(193, 245, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 245, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 245, 242);  
box-shadow:4px 4px 4px 4px rgb(193, 245,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6717, 83.0531, 96.3105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 245, 242) }
```

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

```
.background{ background-color: rgb(193,  
245, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor