

Converting Colors

XYZ(70.1566, 80.1296, 92.3120)

Have a look what the booklet for
XYZ(70.1566, 80.1296, 92.3120)
contains.

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Color

**XYZ(70.3865, 80.3236,
92.6832)**

Conversions

Conversions Part 1

Format	Color
Hex	C9EFEE
RGB	201, 239, 238
RGB Percent	79%, 94%, 93%
CMY	0.2118, 0.0627, 0.0667
CMYK	0.16, 0.00, 0.00, 0.06
HSL	178°, 54%, 86%
HSV	178°, 16%, 94%
XYZ	70.3865, 80.3236, 92.6832
YIQ	227.5240, -22.3270, -8.3670

Conversions

Conversions Part 2

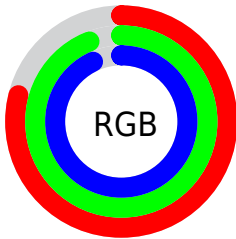
Format	Color
R _Y B	201, 220, 239
Decimal	13234158
CIE Lab	91.83, -12.42, -3.63
CIE LCh	92, 12.941, 196.293
Yxy	80.3236, 0.2892, 0.3300
Android (android.graphics.Color)	4291424238 (0xFFC9EFEE)
YUV	227.5240, 5.1647, -23.2615
Hunter-Lab	89.6234, -16.6546, 1.4222

Details

The XYZ color **70.3865, 80.3236, 92.6832** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.1468, 64.3904, 64.7701**, and the grayscale version is **73.3723, 77.1934, 84.0636**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2310, 43.3554, 50.6621** is the 20% darker color. If you saturate the color by 10%, you get **64.3629, 77.2311, 91.9198**, and if you desaturate by 10%, it is **77.4147, 83.9382, 93.4987**.

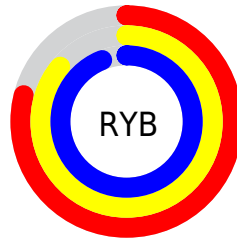
Distribution



Red (79%)

Green (94%)

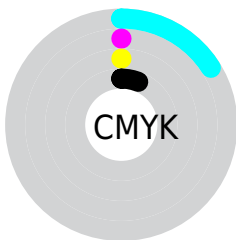
Blue (93%)



Red (79%)

Yellow (86%)

Blue (94%)

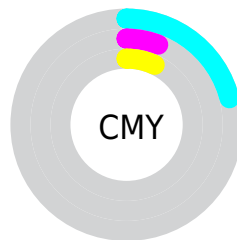


Cyan (16%)

Magenta (0%)

Yellow (0%)

Black (6%)



Cyan (21%)

Magenta (6%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.3865, 80.3236, 92.6832 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 70.3865, 80.3236, 92.6832 by changing the saturation by 10% instead.

70.3865, 80.3236,
92.6832

70.3865, 80.3236,
92.6832

451.1512,
496.0227, 557.5148

52.1224, 59.9847,
69.6220

118.7830,
133.8206, 153.0278

37.3273, 43.4063,
50.7435

149.6462,
167.7475, 191.1484

25.6359, 30.2040,
35.6292

185.4398,
206.9724, 235.1258

16.6827, 19.9935,
23.8606

226.5291,
251.8799, 285.3786

10.1024, 12.3903,
15.0190

273.2796,
302.8543, 342.3254

5.5297, 7.0101,
8.6859

326.0565,

2.5992, 3.4684,

360.2800, 406.3847

4.4429

385.2252,
424.5413, 477.9750

■ 0.9455, 1.3809,
1.8713

■ 0.0000, 0.2026,
0.4744

■ 70.3865, 80.3236,
92.6832

■ 70.3865, 80.3236,
92.6832

■ 64.3629, 77.2311,
91.9198

■ 77.4147, 83.9382,
93.4987

■ 59.2909, 74.6271,
91.2010


■ 85.4838, 88.0872,
94.3629


■ 55.1231, 72.4891,
90.5262


■ 87.8205, 89.2810,
94.9605


■ 51.8053, 70.7893,
89.8928


■ 87.9144, 89.3186,
95.4548


 49.2775, 69.4968,
89.2981


 88.0086, 89.3562,
95.9509


 47.4720, 68.5765,
88.7389


 88.1032, 89.3940,
96.4487


 46.3094, 67.9876,
88.2115

 88.1980, 89.4320,
96.9482

 45.6920, 67.6797,
87.7112

 88.2932, 89.4701,
97.4495

 45.5324, 67.6017,
87.5110

 88.3887, 89.5083,
97.9524

Harmonies

Analogous

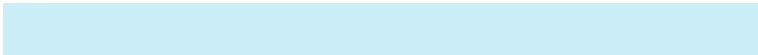
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.3160, 80.3236, 83.2023



70.3865, 80.3236, 92.6832



72.0232, 80.3236, 101.3362

Triad

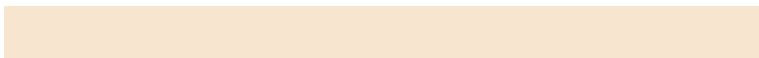
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.3865, 80.3236, 92.6832



81.0483, 80.3236, 100.6945



77.8662, 80.3236, 70.8887

Complementary

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



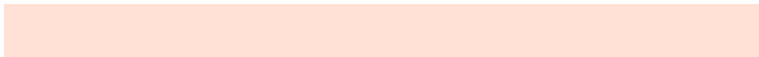
70.3865, 80.3236, 92.6832



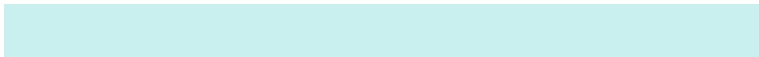
67.1468, 64.3904, 64.7701

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.



80.8367, 80.3236, 74.9099



70.3865, 80.3236, 92.6832



82.7096, 80.3236, 91.8580

Square

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



70.3865, 80.3236, 92.6832



78.1482, 80.3236, 106.1855



82.6310, 80.3236, 82.4344



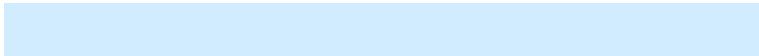
74.5700, 80.3236, 71.0743

Rectangle

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



70.3865, 80.3236, 92.6832



73.8099, 80.3236, 105.2689



82.6310, 80.3236, 82.4344



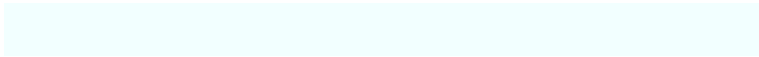
78.9378, 80.3236, 71.7800

Sweetspot

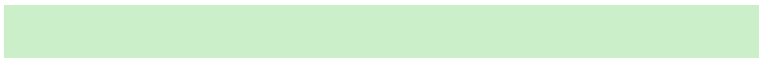
The Sweet Spot groups the original color and five complimentary colors.



70.3888, 80.3269, 92.6850



90.4597, 97.6399, 108.4025



65.8408, 78.5472, 66.9506



19.2293, 20.8307, 23.1879



0.0000, 0.0000, 0.0000



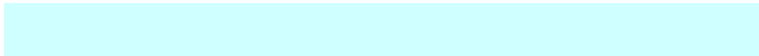
20.3446, 21.4041, 23.3091

Same Dimension

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



70.3888, 80.3269, 92.6850



79.2113, 91.8586, 107.0873



65.5966, 70.5059, 91.8170



16.2283, 17.9213, 20.2251



25.1692, 37.3597, 48.4013



2.0995, 3.1102, 4.0564

Inverse Universe

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



67.1468, 64.3904, 64.7701



74.8081, 70.2136, 69.1741



71.4041, 73.0946, 65.6049



15.7897, 15.7656, 16.4489



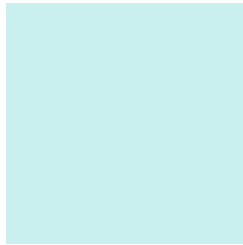
19.6980, 10.1516, 1.0605



1.6446, 0.8469, 0.1193

Previews

White Background



This preview shows how the XYZ color 70.3865, 80.3236, 92.6832 looks on a white background.

Color Contrast Check

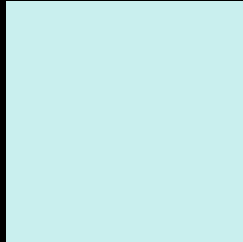
Large Text (above 18pt) WCAG AA × Fail

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 70.3865, 80.3236, 92.6832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

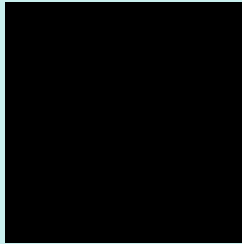
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

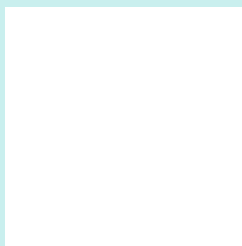
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.3865, 80.3236, 92.6832

Background



This preview shows how black text looks on a background with the XYZ color 70.3865, 80.3236, 92.6832.



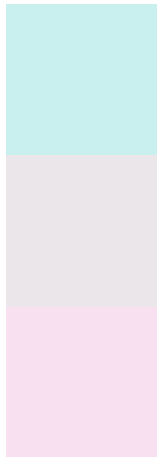
This preview shows how white text looks on a background with the XYZ color 70.3865, 80.3236,

92.6832.

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

70.3865, 80.3236, 92.6832

Protanopia

77.2657, 80.1390, 88.4868

Deuteranopia

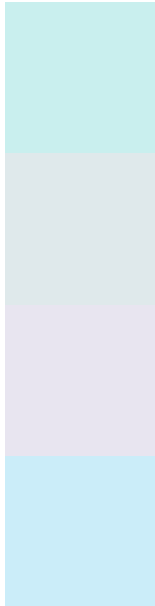
81.5998, 79.8019, 94.3216



Tritanopia

72.9473, 80.0483, 106.2139

Trichromacy



Original Color

70.3865, 80.3236, 92.6832

Protanomaly

74.5657, 79.9640, 90.1018

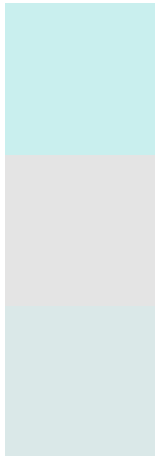
Deuteranomaly

77.0262, 79.4857, 93.7206

Tritanomaly

72.0117, 80.1044, 101.2888

Monochromacy



Original Color

70.3865, 80.3236, 92.6832

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.3355, 78.4448, 87.6728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.3865, 80.3236, 92.6832 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(201, 239, 238)` looks like.

```
.text, #text, p{  
    color:rgb(201, 239, 238)  
}
```

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(201, 239, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 239, 238) }
```

Border

The CSS property to change the border of an element to XYZ 70.3865, 80.3236, 92.6832 is called "border". The border property can be set on classes, ids or directly on the HTML element.

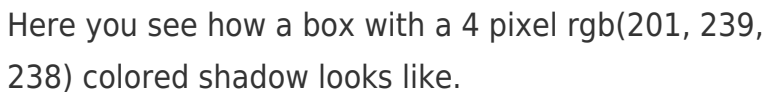
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(201, 239, 238) }
```


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

```
.border{ border-color:rgb(201, 239, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(201, 239, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 239, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 239, 238); box-shadow:4px 4px 4px 4px rgb(201, 239, 238) }
```

Background

The CSS property to change the background color of an element to XYZ 70.3865, 80.3236, 92.6832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 239, 238) }
```

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

```
.background{ background-color: rgb(201,  
239, 238) }
```

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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