

Converting Colors

XYZ(65.6898, 76.3144, 98.9290)

Have a look what the booklet for
XYZ(65.6898, 76.3144, 98.9290)
contains.

XYZ(65.8400, 76.5301, 99.2973)	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(65.8400, 76.5301,
99.2973)**

Conversions

Conversions Part 1

Format	Color
Hex	B5ECF7
RGB	181, 236, 247
RGB Percent	71%, 93%, 97%
CMY	0.2902, 0.0745, 0.0314
CMYK	0.27, 0.04, 0.00, 0.03
HSL	190°, 80%, 84%
HSV	190°, 27%, 97%
XYZ	65.8400, 76.5301, 99.2973
YIQ	220.8090, -36.3110, -8.2390

Conversions

Conversions Part 2

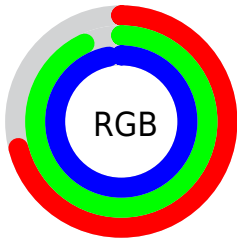
Format	Color
R_{YB}	181, 211, 247
Decimal	11922679
CIE _{Lab}	90.10, -14.94, -11.01
CIE _{LCh}	90, 18.561, 216.383
Yxy	76.5301, 0.2724, 0.3167
Android (android.graphics.Color)	4290112759 (0xFFB5ECF7)
YUV	220.8090, 12.9122, -34.9125
Hunter-Lab	87.4815, -18.7506, -6.0611

Details

The XYZ color **65.8400, 76.5301, 99.2973** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.5487, 60.8100, 52.0004**, and the grayscale version is **68.5257, 72.0944, 78.5108**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **34.3294, 40.8397, 55.3637** is the 20% darker color. If you saturate the color by 10%, you get **59.3831, 71.4644, 98.6611**, and if you desaturate by 10%, it is **73.3555, 82.1859, 99.9941**.

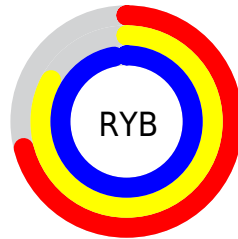
Distribution



Red (71%)

Green (93%)

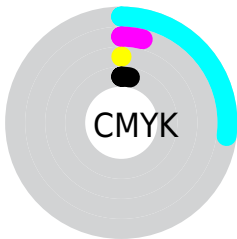
Blue (97%)



Red (71%)

Yellow (83%)

Blue (97%)

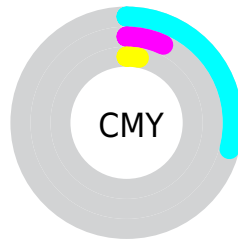


Cyan (27%)

Magenta (4%)

Yellow (0%)

Black (3%)



Cyan (29%)

Magenta (7%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.8400, 76.5301, 99.2973 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 65.8400, 76.5301, 99.2973 by changing the saturation by 10% instead.

65.8400, 76.5301,
99.2973

65.8400, 76.5301,
99.2973

435.3021,
483.1604, 579.1648

48.4098, 56.8673,
75.1002

112.3157,
128.4760, 162.2346

34.3641, 40.8987,
55.1928

142.0918,
161.5278, 201.8119

23.3377, 28.2399,
39.1564

176.7139,
199.8114, 247.3531

14.9651, 18.5066,
26.5727

216.5474,
243.7113, 299.2765

8.8810, 11.3143,
17.0230

261.9576,
293.6117, 358.0009

4.7202, 6.2787,
10.0887

313.3099,

2.1171, 3.0153,

349.8971, 423.9447

5.3515

370.9696,
412.9518, 497.5265

0.6985, 1.1397,
2.3926

0.0000, 0.0116,
0.7824

65.8400, 76.5301,
99.2973

65.8400, 76.5301,
99.2973

59.3831, 71.4644,
98.6611

73.3555, 82.1859,
99.9941

53.9235, 66.9512,
98.0777

81.9732, 88.4487,
100.7488

49.4042, 62.9628,
97.5461

91.7043, 95.3266,
101.5635

45.7592, 59.4648,
97.0630

92.9860, 97.8901,
101.9907

■ 42.9140, 56.4186,
96.6250

■ 93.7887, 99.4955,
102.2583

■ 40.7812, 53.7787,
96.2279

■ 39.2503, 51.4881,
95.8664

■ 38.8228, 50.7836,
95.7530

Harmonies

Analogous

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



64.2883, 76.5301, 86.1800



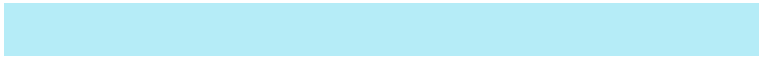
65.8400, 76.5301, 99.2973



69.2489, 76.5301, 108.7952

Triad

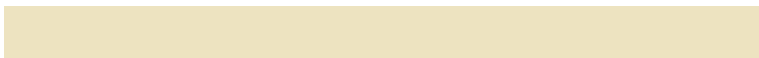
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.8400, 76.5301, 99.2973



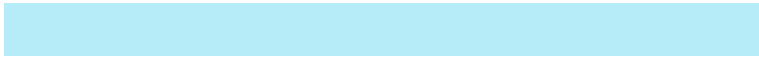
81.1596, 76.5301, 93.9083



71.7594, 76.5301, 60.5778

Complementary

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



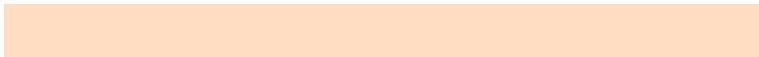
65.8400, 76.5301, 99.2973



65.5487, 60.8100, 52.0004

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.



76.3456, 76.5301, 62.1822



65.8400, 76.5301, 99.2973



81.9008, 76.5301, 80.5402

Square

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



65.8400, 76.5301, 99.2973



78.1205, 76.5301, 105.4614



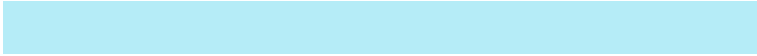
80.1051, 76.5301, 69.1703



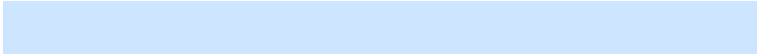
67.6116, 76.5301, 64.5311

Rectangle

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



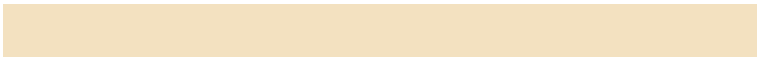
65.8400, 76.5301, 99.2973



72.1823, 76.5301, 111.2914



80.1051, 76.5301, 69.1703



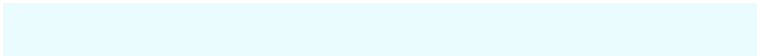
73.2997, 76.5301, 60.4916

Sweetspot

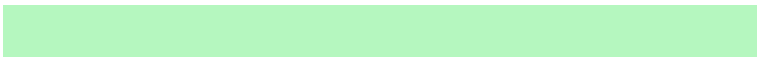
The Sweet Spot groups the original color and five complimentary colors.



65.8423, 76.5332, 99.2990



86.8642, 94.1845, 108.2089



61.7113, 80.1039, 61.4432



18.2821, 19.9358, 23.1344



0.0000, 0.0000, 0.0000



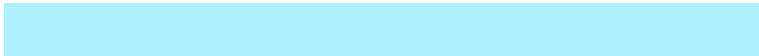
20.3446, 21.4041, 23.3091

Same Dimension

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



65.8423, 76.5332, 99.2990



66.9471, 79.2997, 106.3856



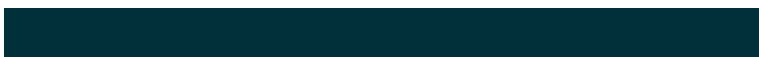
57.4627, 59.7741, 96.5059



16.7479, 18.2602, 21.1844



20.6224, 27.0386, 50.6701



1.8736, 2.4985, 4.4738

Inverse Universe

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



70.0238, 58.8798, 87.0347



72.1979, 57.6758, 90.8628



73.3284, 76.3694, 54.5936



17.0881, 16.7181, 20.2105



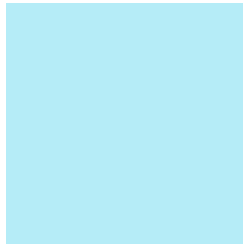
26.2137, 12.8289, 32.1636



2.3348, 1.1399, 2.9892

Previews

White Background



This preview shows how the XYZ color 65.8400, 76.5301, 99.2973 looks on a white background.

Color Contrast Check

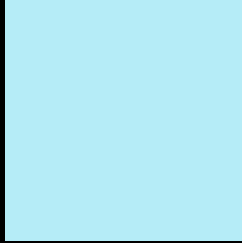
Large Text (above 18pt) WCAG AA × Fail

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 65.8400, 76.5301, 99.2973 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 65.8400, 76.5301, 99.2973

Background



This preview shows how black text looks on a background with the XYZ color 65.8400, 76.5301, 99.2973.

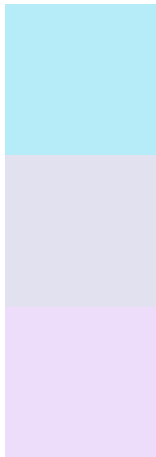


This preview shows how white text looks on a background with the XYZ color 65.8400, 76.5301,

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

65.8400, 76.5301, 99.2973

Protanopia

74.0174, 76.3104, 93.2663

Deuteranopia

77.7736, 76.0931, 101.0308



Tritanopia

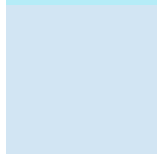
66.8891, 76.5175, 105.0099

Trichromacy



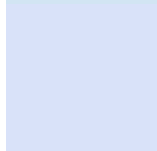
Original Color

65.8400, 76.5301, 99.2973



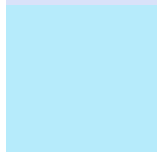
Protanomaly

70.7753, 76.2113, 95.7740



Deuteranomaly

72.9105, 75.9840, 100.4461



Tritanomaly

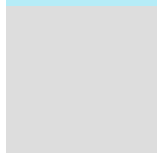
66.4123, 76.3268, 102.4990

Monochromacy



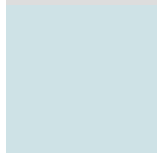
Original Color

65.8400, 76.5301, 99.2973



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.9329, 73.2277, 85.4695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.8400, 76.5301, 99.2973 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(181, 236, 247)` looks like.

```
.text, #text, p{  
    color:rgb(181, 236, 247)  
}
```

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(181, 236, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 236, 247) }
```

Border

The CSS property to change the border of an element to XYZ 65.8400, 76.5301, 99.2973 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(181, 236, 247) }
```


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

```
.border{ border-color:rgb(181, 236, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 236, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 236, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 236, 247);  
box-shadow:4px 4px 4px 4px rgb(181, 236,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 65.8400, 76.5301, 99.2973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 236, 247) }
```

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

```
.background{ background-color: rgb(181,  
236, 247) }
```

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