

Converting Colors

XYZ(72.9586, 83.5187,
144.2167)

Have a look what the booklet for
XYZ(72.9586, 83.5187, 144.2167)
contains.

XYZ(65.9061, 80.8129, 106.7326)	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(65.9061, 80.8129,
106.7326)**

Conversions

Conversions Part 1

Format	Color
Hex	A2F6FF
RGB	162, 246, 255
RGB Percent	64%, 96%, 100%
CMY	0.3647, 0.0353, 0.0000
CMYK	0.36, 0.04, 0.00, 0.00
HSL	186°, 100%, 82%
HSV	186°, 36%, 100%
XYZ	65.9061, 80.8129, 106.7326
YIQ	221.9100, -52.9530, -15.0090

Conversions

Conversions Part 2

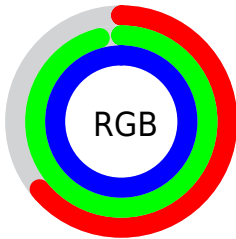
Format	Color
R _Y B	162, 206, 255
Decimal	10680063
CIE Lab	92.05, -23.17, -12.38
CIE LCh	92, 26.274, 208.122
Yxy	80.8129, 0.2600, 0.3188
Android (android.graphics.Color)	4288870143 (0xFFA2F6FF)
YUV	221.9100, 16.3134, -52.5411
Hunter-Lab	89.8960, -26.4530, -7.4672

Details

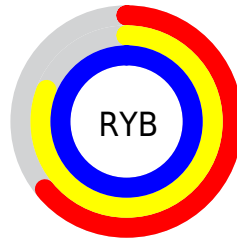
The XYZ color **65.9061, 80.8129, 106.7326** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.3249, 52.9947, 41.1286**, and the grayscale version is **69.2848, 72.8930, 79.3805**.

A 20% lighter version of the original color is **83.3252, 93.9556, 108.3513**, and **34.4322, 43.9074, 60.0863** is the 20% darker color. If you saturate the color by 10%, you get **60.4972, 76.9200, 106.2662**, and if you desaturate by 10%, it is **72.3795, 85.2733, 107.2523**.

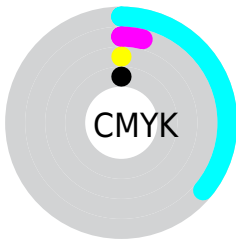
Distribution



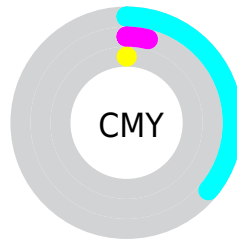
- Red (64%)
- Green (96%)
- Blue (100%)



- Red (64%)
- Yellow (81%)
- Blue (100%)



- Cyan (36%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.9061, 80.8129, 106.7326 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 65.9061, 80.8129, 106.7326 by changing the saturation by 10% instead.


 65.9061, 80.8129,
106.7326


 65.9061, 80.8129,
106.7326


435.5349,
497.6682, 602.9991

 48.4636, 60.3875,
81.2869


 112.4100,
134.5080, 172.5113

 34.4069, 43.7311,
60.2455


 142.2022,
168.5466, 213.6813

 23.3708, 30.4591,
43.1900


176.8416,
207.8916, 260.9298

 14.9897, 20.1873,
29.7017

216.6936,
252.9275, 314.6754

 8.8984, 12.5313,
19.3621

262.1236,
304.0388, 375.3366

 4.7316, 7.1066,
11.7528

313.4969,

 2.1238, 3.5289,

361.6097, 443.3319

6.4551

371.1789,
426.0247, 519.0799

■ 0.7021, 1.4137,
3.0505

■ 0.0000, 0.2268,
1.1205

■ 65.9061, 80.8129,
106.7326

■ 65.9061, 80.8129,
106.7326

■ 60.4972, 76.9200,
106.2662

■ 72.3795, 85.2733,
107.2523

■ 56.0824, 73.5524,
105.8489

■ 79.9696, 90.3222,
107.8268

■ 52.5930, 70.6765,
105.4777

■ 88.7326, 95.9907,
108.4591

■ 49.9488, 68.2509,
105.1489

95.0500, 100.0000,
108.9000

■ 48.0556, 66.2271,
104.8581

■ 46.7958, 64.5443,
104.5996

■ 46.4396, 63.9992,
104.5132

Harmonies

Analogous

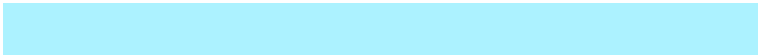
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.5362, 80.8129, 86.7771



65.9061, 80.8129, 106.7326



70.1474, 80.8129, 123.5443

Triad

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



65.9061, 80.8129, 106.7326



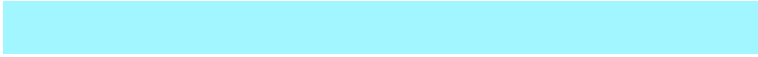
88.3866, 80.8129, 109.1542



77.2370, 80.8129, 55.7798

Complementary

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



65.9061, 80.8129, 106.7326



62.3249, 52.9947, 41.1286

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.



83.8822, 80.8129, 60.0116



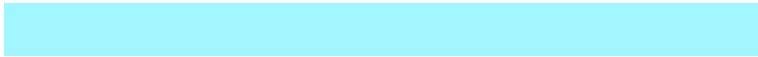
65.9061, 80.8129, 106.7326



90.5494, 80.8129, 89.2172

Square

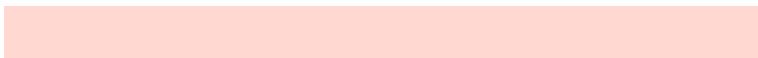
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.9061, 80.8129, 106.7326



83.1021, 80.8129, 125.0804



88.8553, 80.8129, 71.5836



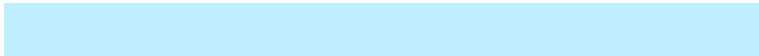
70.8443, 80.8129, 59.0712

Rectangle

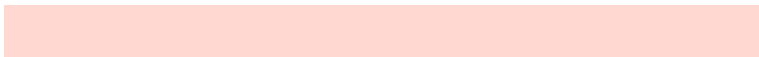
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.9061, 80.8129, 106.7326



74.1655, 80.8129, 129.6846



88.8553, 80.8129, 71.5836



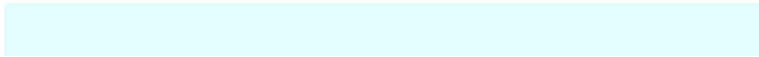
79.5171, 80.8129, 56.3553

Sweetspot

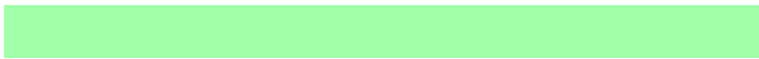
The Sweet Spot groups the original color and five complimentary colors.



65.9083, 80.8160, 106.7331



84.6133, 93.3437, 108.1653



57.8936, 82.0948, 50.7029



17.8572, 19.8153, 23.1335



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.



65.9083, 80.8160, 106.7331



61.7379, 77.8314, 106.3768



53.7802, 56.5599, 102.6904



18.3958, 20.1633, 23.1723



24.3272, 33.5639, 54.6309



2.4104, 3.3516, 5.3331

Inverse Universe

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



70.7963, 53.7563, 93.8368



67.3839, 47.3855, 91.2995



72.3824, 73.1097, 44.4811



18.7124, 18.2683, 22.3689



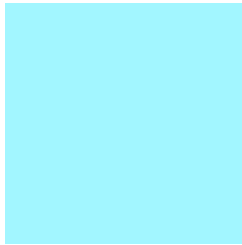
29.0674, 14.1163, 40.6011



2.8513, 1.3829, 4.0643

Previews

White Background



This preview shows how the XYZ color 65.9061, 80.8129, 106.7326 looks on a white background.

Color Contrast Check

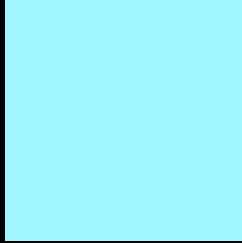
Large Text (above 18pt) WCAG AA × Fail

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 65.9061, 80.8129, 106.7326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

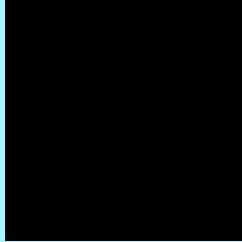
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.9061, 80.8129, 106.7326

Background



This preview shows how black text looks on a background with the XYZ color 65.9061, 80.8129, 106.7326.

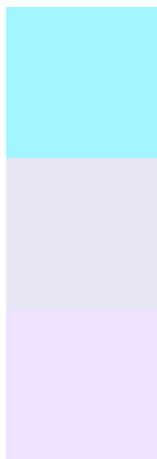


This preview shows how white text looks on a background with the XYZ color 65.9061, 80.8129,

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

65.9061, 80.8129, 106.7326

Protanopia

77.7332, 80.1751, 97.7646

Deuteranopia

80.8430, 79.9634, 105.7813



Tritanopia

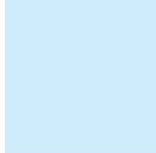
69.9988, 80.6954, 106.4942

Trichromacy



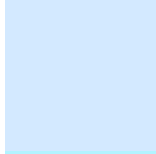
Original Color

65.9061, 80.8129, 106.7326



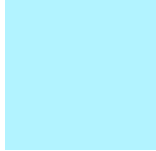
Protanomaly

72.5479, 79.9523, 101.2312



Deuteranomaly

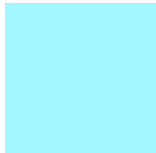
74.0529, 79.3467, 106.0202



Tritanomaly

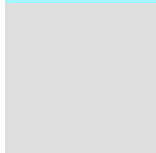
68.4607, 80.7862, 106.5928

Monochromacy



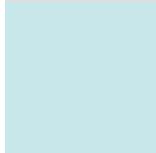
Original Color

65.9061, 80.8129, 106.7326



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

67.2466, 75.3717, 88.8458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.9061, 80.8129, 106.7326 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(162, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(162, 246, 255)  
}
```

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(162, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 246, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.9061, 80.8129, 106.7326 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(162, 246, 255) }
```


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

```
.border{ border-color:rgb(162, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(162, 246,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.9061, 80.8129, 106.7326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 246, 255) }
```

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

```
.background{ background-color: rgb(162,  
246, 255) }
```

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