

Converting Colors

XYZ(67.4587, 82.9510,
139.7111)

Have a look what the booklet for
XYZ(67.4587, 82.9510, 139.7111)
contains.

XYZ(61.4493, 80.8036, 106.9657)	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(61.4493, 80.8036,
106.9657)**

Conversions

Conversions Part 1

Format	Color
Hex	80FBFF
RGB	128, 251, 255
RGB Percent	50%, 98%, 100%
CMY	0.4980, 0.0157, 0.0000
CMYK	0.50, 0.02, 0.00, 0.00
HSL	182°, 100%, 75%
HSV	182°, 50%, 100%
XYZ	61.4493, 80.8036, 106.9657
YIQ	214.6790, -74.5920, -24.8320

Conversions

Conversions Part 2

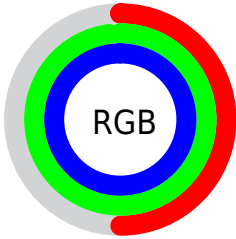
Format	Color
RYB	128, 190, 255
Decimal	8453119
CIELab	92.04, -33.36, -12.54
CIELCh	92, 35.641, 200.593
Yxy	80.8036, 0.2466, 0.3242
Android (android.graphics.Color)	4286643199 (0xFF80FBFF)
YUV	214.6790, 19.8783, -76.0175
Hunter-Lab	89.8908, -35.2865, -7.6286

Details

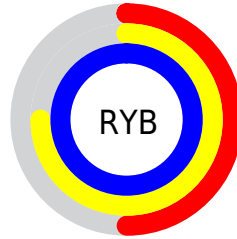
The XYZ color **61.4493, 80.8036, 106.9657** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.3882, 39.3217, 25.2001**, and the grayscale version is **64.2824, 67.6301, 73.6492**.

A 20% lighter version of the original color is **74.7963, 89.5588, 107.9521**, and **31.4714, 43.6849, 60.1994** is the 20% darker color. If you saturate the color by 10%, you get **57.8354, 78.5711, 106.7252**, and if you desaturate by 10%, it is **66.0322, 83.5410, 107.2525**.

Distribution



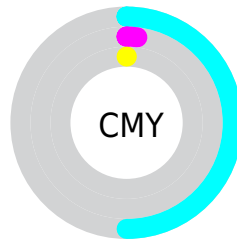
- Red (50%)
- Green (98%)
- Blue (100%)



- Red (50%)
- Yellow (75%)
- Blue (100%)



- Cyan (50%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.4493, 80.8036, 106.9657 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 61.4493, 80.8036, 106.9657 by changing the saturation by 10% instead.


 61.4493, 80.8036,
106.9657


 61.4493, 80.8036,
106.9657


419.6691,
497.6369, 603.7383


 44.8418, 60.3799,
81.4813


 106.0237,
134.4950, 172.8323

 31.5336, 43.7249,
60.4048


 134.7212,
168.5314, 214.0515

 21.1593, 30.4543,
43.3175


 168.1795,
207.8741, 261.3527

 13.3536, 20.1837,
29.8011

206.7638,
252.9076, 315.1546

 7.7512, 12.5286,
19.4369

250.8396,
304.0163, 375.8755

 3.9866, 7.1048,
11.8064

300.7722,

 1.6946, 3.5277,

361.5844, 443.9341

6.4910

356.9269,
425.9965, 519.7488

■ 0.4529, 1.4130,
3.0723

■ 0.0000, 0.2263,
1.1317

■ 61.4493, 80.8036,
106.9657

■ 61.4493, 80.8036,
106.9657

■ 57.8354, 78.5711,
106.7252

■ 66.0322, 83.5410,
107.2525

■ 55.1103, 76.7966,
106.5263

■ 71.6437, 86.8083,
107.5874

■ 53.1921, 75.4396,
106.3655

■ 78.3460, 90.6395,
107.9736

■ 51.9805, 74.4483,
106.2381

■ 86.1947, 95.0632,
108.4138

■ 51.3148, 73.7401,
106.1364

95.0500, 100.0000,
108.9000

■ 51.3036, 73.7271,
106.1345

Harmonies

Analogous

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



60.6858, 80.8036, 79.9828



61.4493, 80.8036, 106.9657



66.1425, 80.8036, 133.0529

Triad

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



61.4493, 80.8036, 106.9657



91.2472, 80.8036, 124.0914



79.7197, 80.8036, 46.9728

Complementary

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



61.4493, 80.8036, 106.9657



53.3882, 39.3217, 25.2001

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.



88.5480, 80.8036, 54.4463



61.4493, 80.8036, 106.9657



95.5439, 80.8036, 96.4962

Square

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



61.4493, 80.8036, 106.9657



83.1719, 80.8036, 144.2267



94.5186, 80.8036, 71.3877



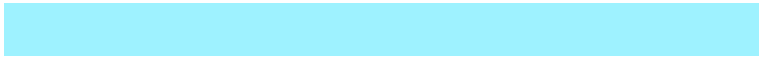
70.7648, 80.8036, 48.6696

Rectangle

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



61.4493, 80.8036, 106.9657



71.0901, 80.8036, 144.7243



94.5186, 80.8036, 71.3877



82.8107, 80.8036, 48.4290

Sweetspot

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



61.4515, 80.8066, 106.9661



81.9683, 92.6879, 108.1781



48.7005, 77.7247, 33.5978



17.1971, 19.6429, 23.1350



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.



61.4515, 80.8066, 106.9661



57.7729, 78.5316, 106.7209



45.2338, 48.3713, 101.5603



18.5030, 20.3776, 23.2080



26.8291, 38.5678, 55.4649



2.6271, 3.7848, 5.4054

Inverse Universe

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



66.3732, 43.6652, 96.2002



63.2759, 37.6765, 94.5327



64.3439, 61.2331, 28.8520



18.7665, 18.2899, 22.6537



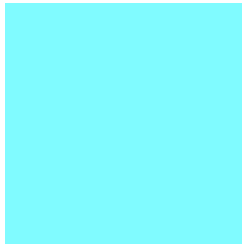
30.3303, 14.6214, 47.2513



2.9606, 1.4266, 4.6400

Previews

White Background



This preview shows how the XYZ color 61.4493, 80.8036, 106.9657 looks on a white background.

Color Contrast Check

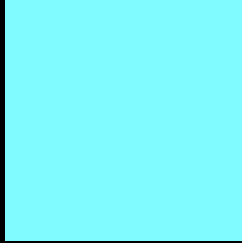
Large Text (above 18pt) WCAG AA × Fail

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 61.4493, 80.8036, 106.9657 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 61.4493, 80.8036, 106.9657

Background



This preview shows how black text looks on a background with the XYZ color 61.4493, 80.8036, 106.9657.

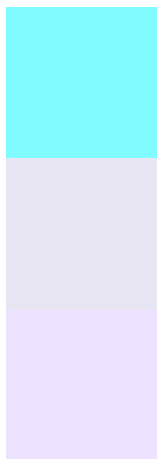


This preview shows how white text looks on a background with the XYZ color 61.4493, 80.8036,

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

61.4493, 80.8036, 106.9657

Protanopia

77.3250, 79.6052, 95.2943

Deuteranopia

80.1714, 79.6172, 105.7499



Tritanopia

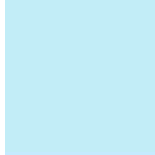
68.1622, 80.1892, 106.4933

Trichromacy



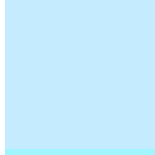
Original Color

61.4493, 80.8036, 106.9657



Protanomaly

69.3208, 78.7531, 99.5430



Deuteranomaly

70.7843, 78.5070, 106.0304



Tritanomaly

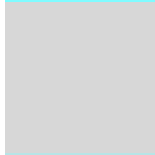
65.1996, 79.9984, 106.6126

Monochromacy



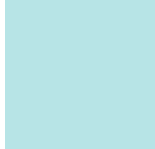
Original Color

61.4493, 80.8036, 106.9657



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

61.5548, 71.2673, 85.3746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.4493, 80.8036, 106.9657 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(128, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 251, 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(128, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 251, 255) }
```

Border

The CSS property to change the border of an element to XYZ 61.4493, 80.8036, 106.9657 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(128, 251, 255) }
```


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

```
.border{ border-color:rgb(128, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 251,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 61.4493, 80.8036, 106.9657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 251, 255) }
```

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

```
.background{ background-color: rgb(128,  
251, 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