

Converting Colors

XYZ(61.4699, 72.9712,
105.4528)

Have a look what the booklet for
XYZ(61.4699, 72.9712, 105.4528)
contains.

XYZ(61.4870, 72.8688, 105.4321)	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(61.4870, 72.8688,
105.4321)**

Conversions

Conversions Part 1

Format	Color
Hex	9FE9FF
RGB	159, 233, 255
RGB Percent	62%, 91%, 100%
CMY	0.3765, 0.0863, 0.0000
CMYK	0.38, 0.09, 0.00, 0.00
HSL	194°, 100%, 81%
HSV	194°, 38%, 100%
XYZ	61.4870, 72.8688, 105.4321
YIQ	213.3820, -51.1660, -8.8460

Conversions

Conversions Part 2

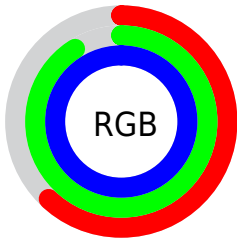
Format	Color
R _Y B	159, 201, 255
Decimal	10480127
CIE Lab	88.39, -17.50, -17.89
CIE LCh	88, 25.028, 225.626
Yxy	72.8688, 0.2564, 0.3039
Android (android.graphics.Color)	4288670207 (0xFF9FE9FF)
YUV	213.3820, 20.5177, -47.6930
Hunter-Lab	85.3632, -20.8124, -13.4748

Details

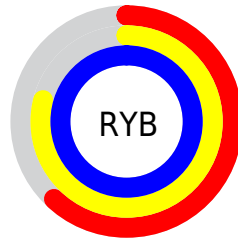
The XYZ color **61.4870, 72.8688, 105.4321** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.0222, 56.8111, 40.3941**, and the grayscale version is **63.3947, 66.6962, 72.6322**.

A 20% lighter version of the original color is **82.4253, 93.4917, 108.3092**, and **31.5087, 38.4051, 59.1783** is the 20% darker color. If you saturate the color by 10%, you get **55.3159, 67.2741, 104.6775**, and if you desaturate by 10%, it is **68.7599, 79.1162, 106.2547**.

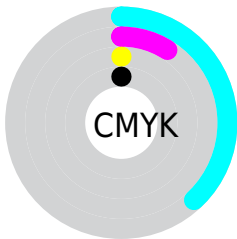
Distribution



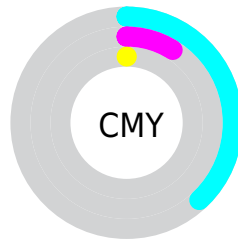
- Red (62%)
- Green (91%)
- Blue (100%)



- Red (62%)
- Yellow (79%)
- Blue (100%)



- Cyan (38%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.4870, 72.8688, 105.4321 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 61.4870, 72.8688, 105.4321 by changing the saturation by 10% instead.

61.4870, 72.8688,
105.4321

61.4870, 72.8688,
105.4321

419.8048,
470.5600, 598.8664

44.8723, 53.8687,
80.2027

106.0779,
123.2909, 170.7191

31.5577, 38.4967,
59.3580

134.7848,
155.4818, 211.6137

21.1778, 26.3684,
42.4795

168.2532,
192.8383, 258.5672

13.3672, 17.0995,
29.1486

206.8485,
235.7449, 311.9981

7.7607, 10.3054,
18.9467

250.9359,
284.5859, 372.3250

3.9927, 5.6019,
11.4553

300.8808,

1.6980, 2.6046,

339.7459, 439.9663

6.2560

357.0487,
401.6091, 515.3406

■ 0.4550, 0.9290,
2.9301

■ 0.0000, 0.0000,
1.0590

■ 61.4870, 72.8688,
105.4321

■ 61.4870, 72.8688,
105.4321

■ 55.3159, 67.2741,
104.6775

■ 68.7599, 79.1162,
106.2547

■ 50.1755, 62.2896,
103.9863

■ 77.1882, 86.0396,
107.1468

■ 45.9954, 57.8799,
103.3555

■ 86.8291, 93.6710,
108.1117

■ 42.6936, 54.0020,
102.7810

95.0500, 100.0000,
108.9000

■ 40.1733, 50.6050,
102.2581

■ 38.3071, 47.6226,
101.7808

■ 37.9190, 46.9580,
101.6730

Harmonies

Analogous

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



58.7144, 72.8688, 88.5960



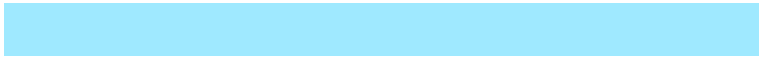
61.4870, 72.8688, 105.4321



66.4298, 72.8688, 115.9204

Triad

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



61.4870, 72.8688, 105.4321



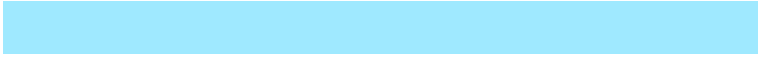
81.0700, 72.8688, 87.8461



66.1928, 72.8688, 51.5425

Complementary

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



61.4870, 72.8688, 105.4321



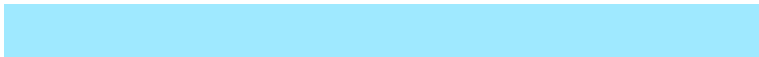
64.0222, 56.8111, 40.3941

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.



72.1687, 72.8688, 51.4022



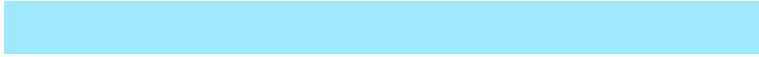
61.4870, 72.8688, 105.4321



80.9974, 72.8688, 70.7555

Square

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



61.4870, 72.8688, 105.4321



77.8540, 72.8688, 104.8151



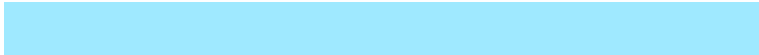
77.6611, 72.8688, 57.9552



61.3222, 72.8688, 58.3711

Rectangle

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



61.4870, 72.8688, 105.4321



70.3989, 72.8688, 117.0530



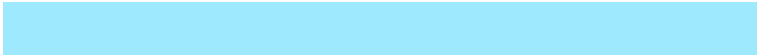
77.6611, 72.8688, 57.9552



68.1327, 72.8688, 50.7486

Sweetspot

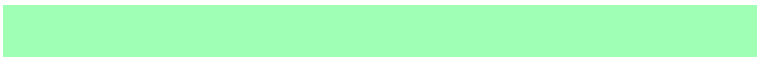
The Sweet Spot groups the original color and five complimentary colors.



61.4890, 72.8716, 105.4325



83.4566, 91.0303, 107.7797



58.2771, 82.1786, 55.8655



17.5799, 19.2608, 23.0411



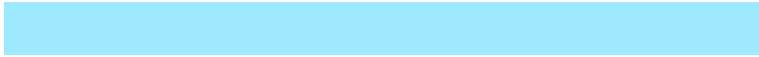
0.0000, 0.0000, 0.0000



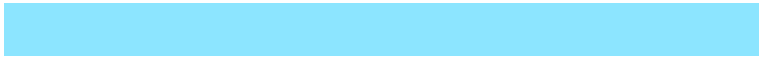
20.3446, 21.4041, 23.3091

Same Dimension

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



61.4890, 72.8716, 105.4325



56.8457, 68.6938, 104.8709



49.9506, 49.7948, 101.5864



18.1812, 19.7340, 23.1007



19.9320, 24.7735, 53.1658



2.0226, 2.5759, 5.2039

Inverse Universe

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



68.3474, 51.9411, 83.5173



64.7566, 45.7301, 79.3282



75.1871, 79.1408, 44.1157



18.6041, 18.2250, 21.7984



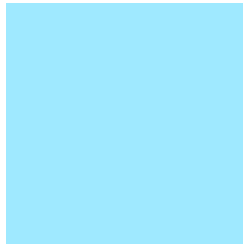
26.8489, 13.2289, 28.9186



2.6555, 1.3046, 3.0334

Previews

White Background



This preview shows how the XYZ color 61.4870, 72.8688, 105.4321 looks on a white background.

Color Contrast Check

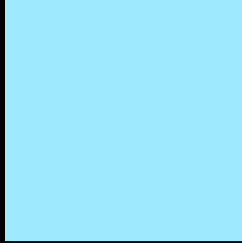
Large Text (above 18pt) WCAG AA × Fail

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 61.4870, 72.8688, 105.4321 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 61.4870, 72.8688, 105.4321

Background



This preview shows how black text looks on a background with the XYZ color 61.4870, 72.8688, 105.4321.

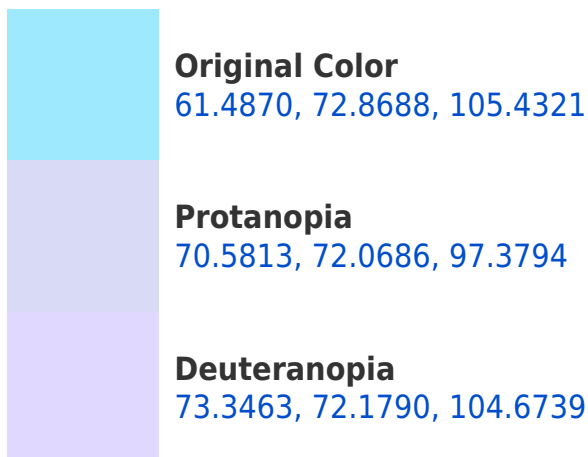


This preview shows how white text looks on a background with the XYZ color 61.4870, 72.8688,

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

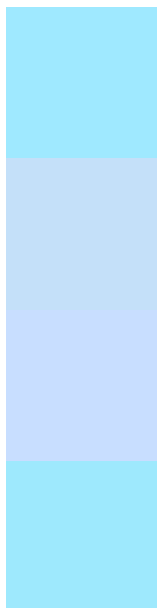




Tritanopia

60.8102, 72.5752, 102.8988

Trichromacy



Original Color

61.4870, 72.8688, 105.4321

Protanomaly

66.5195, 71.8866, 99.9921

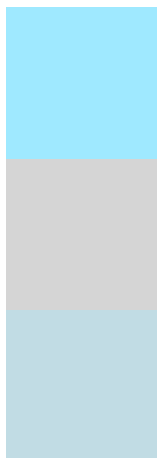
Deuteranomaly

67.9907, 71.7419, 104.8718

Tritanomaly

60.9691, 72.6388, 103.7358

Monochromacy



Original Color

61.4870, 72.8688, 105.4321

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

61.5891, 68.1253, 83.3022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.4870, 72.8688, 105.4321 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(159, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 233, 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(159, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 233, 255) }
```

Border

The CSS property to change the border of an element to XYZ 61.4870, 72.8688, 105.4321 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(159, 233, 255) }
```


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

```
.border{ border-color:rgb(159, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 233,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 61.4870, 72.8688, 105.4321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 233, 255) }
```

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

```
.background{ background-color: rgb(159,  
233, 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