

Converting Colors

XYZ(73.4588, 80.5111,
171.6264)

Have a look what the booklet for
XYZ(73.4588, 80.5111, 171.6264)
contains.

XYZ(61.0641, 75.6512, 105.9915)	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(61.0641, 75.6512,
105.9915)**

Conversions

Conversions Part 1

Format	Color
Hex	92F0FF
RGB	146, 240, 255
RGB Percent	57%, 94%, 100%
CMY	0.4274, 0.0588, 0.0000
CMYK	0.43, 0.06, 0.00, 0.00
HSL	188°, 100%, 79%
HSV	188°, 43%, 100%
XYZ	61.0641, 75.6512, 105.9915
YIQ	213.6040, -60.8390, -15.2630

Conversions

Conversions Part 2

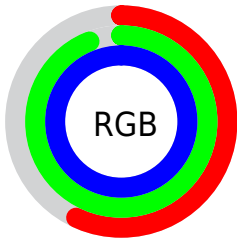
Format	Color
R_{YB}	146, 196, 255
Decimal	9629951
CIE _{Lab}	89.70, -24.15, -15.98
CIE _{LCh}	90, 28.959, 213.485
Yxy	75.6512, 0.2516, 0.3117
Android (android.graphics.Color)	4287820031 (0xFF92F0FF)
YUV	213.6040, 20.4082, -59.2887
Hunter-Lab	86.9777, -26.8922, -11.3667

Details

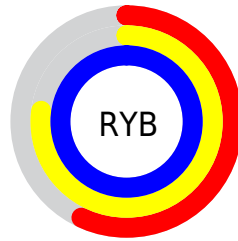
The XYZ color **61.0641, 75.6512, 105.9915** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.1735, 48.8252, 33.5013**, and the grayscale version is **63.5489, 66.8584, 72.8088**.

A 20% lighter version of the original color is **78.7118, 91.5774, 108.1354**, and **31.2640, 40.3844, 59.5733** is the 20% darker color. If you saturate the color by 10%, you get **56.0043, 71.5261, 105.4619**, and if you desaturate by 10%, it is **67.1588, 80.3431, 106.5759**.

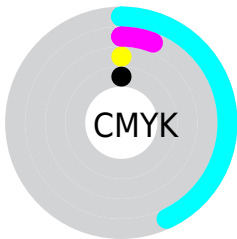
Distribution



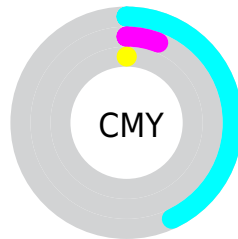
- Red (57%)
- Green (94%)
- Blue (100%)



- Red (57%)
- Yellow (77%)
- Blue (100%)



- Cyan (43%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (43%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.0641, 75.6512, 105.9915 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 61.0641, 75.6512, 105.9915 by changing the saturation by 10% instead.

61.0641, 75.6512,
105.9915

61.0641, 75.6512,
105.9915

418.2812,
480.1529, 600.6459

44.5296, 56.1465,
80.6690

105.4693,
127.2337, 171.4902

31.2868, 40.3204,
59.7396

134.0708,
160.0804, 212.5035

20.9702, 27.7885,
42.7849

167.4253,
198.1432, 259.5841

13.2146, 18.1663,
29.3862

205.8983,
241.8065, 313.1506

7.6545, 11.0694,
19.1251

249.8550,
291.4547, 373.6214

3.9246, 6.1135,
11.5830

299.6608,

1.6596, 2.9142,

347.4723, 441.4152

6.3413

355.6810,
410.2435, 516.9505

■ 0.4308, 1.0871,
2.9816

■ 0.0000, 0.0000,
1.0852

■ 61.0641, 75.6512,
105.9915

■ 61.0641, 75.6512,
105.9915

■ 56.0043, 71.5261,
105.4619

■ 67.1588, 80.3431,
106.5759

■ 51.9051, 67.9239,
104.9827

■ 74.3442, 85.6252,
107.2167

■ 48.6923, 64.8079,
104.5506

■ 82.6792, 91.5299,
107.9171

■ 46.2773, 62.1324,
104.1614

■ 92.2166, 98.0847,
108.6796

■ 44.5533, 59.8421, 95.0500, 100.0000,
103.8102 108.9000

■ 43.6213, 58.3627,
103.5738

Harmonies

Analogous

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



59.0682, 75.6512, 84.7817



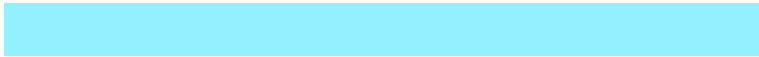
61.0641, 75.6512, 105.9915



65.9551, 75.6512, 122.7425

Triad

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



61.0641, 75.6512, 105.9915



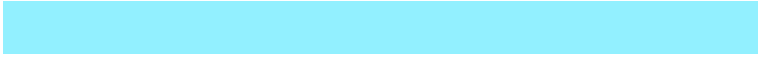
84.8845, 75.6512, 101.1747



71.0739, 75.6512, 49.0639

Complementary

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



61.0641, 75.6512, 105.9915



59.1735, 48.8252, 33.5013

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.



78.2006, 75.6512, 51.9929



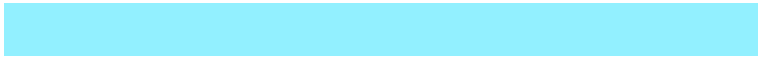
61.0641, 75.6512, 105.9915



86.4768, 75.6512, 80.0070

Square

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



61.0641, 75.6512, 105.9915



79.7375, 75.6512, 119.6544



83.9568, 75.6512, 62.5500



64.6015, 75.6512, 53.7693

Rectangle

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



61.0641, 75.6512, 105.9915



70.3597, 75.6512, 127.8698



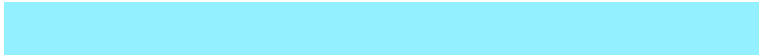
83.9568, 75.6512, 62.5500



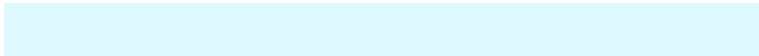
73.4711, 75.6512, 49.1921

Sweetspot

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



61.0661, 75.6540, 105.9919



82.4505, 91.3704, 107.8984



54.0071, 80.1883, 46.1360



17.2337, 19.2671, 23.0606



0.0000, 0.0000, 0.0000



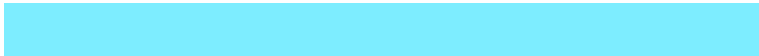
20.3446, 21.4041, 23.3091

Same Dimension

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



61.0661, 75.6540, 105.9919



56.8155, 72.2069, 105.5506



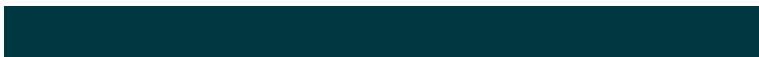
47.4573, 48.4363, 101.4556



18.3292, 20.0301, 23.1501



22.8754, 30.6603, 54.1470



2.2835, 3.0977, 5.2908

Inverse Universe

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



67.2483, 48.1106, 88.1832



63.8691, 42.0353, 84.9505



70.7380, 71.9541, 37.3561



18.6788, 18.2548, 22.1918



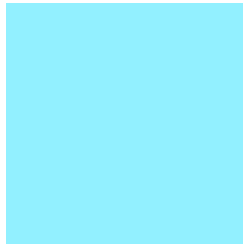
28.3346, 13.8231, 36.7422



2.7872, 1.3573, 3.7269

Previews

White Background



This preview shows how the XYZ color 61.0641, 75.6512, 105.9915 looks on a white background.

Color Contrast Check

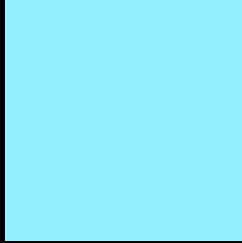
Large Text (above 18pt) WCAG AA × Fail

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 61.0641, 75.6512, 105.9915 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 61.0641, 75.6512, 105.9915

Background



This preview shows how black text looks on a background with the XYZ color 61.0641, 75.6512, 105.9915.

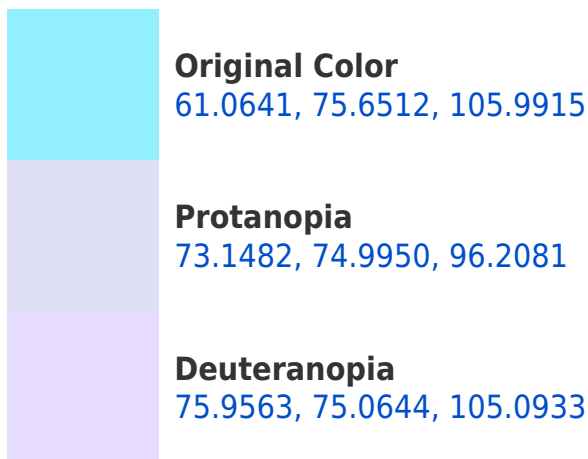


This preview shows how white text looks on a background with the XYZ color 61.0641, 75.6512,

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

62.7251, 75.6382, 105.9014

Trichromacy



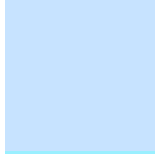
Original Color

61.0641, 75.6512, 105.9915



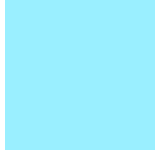
Protanomaly

67.4683, 74.4180, 99.6151



Deuteranomaly

69.0723, 74.3003, 105.3086



Tritanomaly

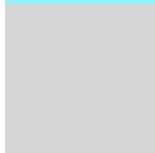
62.2429, 75.8230, 105.9625

Monochromacy



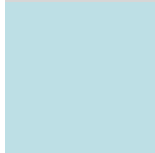
Original Color

61.0641, 75.6512, 105.9915



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

61.5168, 69.2513, 84.2533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.0641, 75.6512, 105.9915 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(146, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 240, 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(146, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 240, 255) }
```

Border

The CSS property to change the border of an element to XYZ 61.0641, 75.6512, 105.9915 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(146, 240, 255) }
```


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

```
.border{ border-color:rgb(146, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 240,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 61.0641, 75.6512, 105.9915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 240, 255) }
```

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

```
.background{ background-color: rgb(146,  
240, 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