

Converting Colors

XYZ(71.1866, 78.7142,
164.2971)

Have a look what the booklet for
XYZ(71.1866, 78.7142, 164.2971)
contains.

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Color

**XYZ(60.1261, 74.2984,
105.7798)**

Conversions

Conversions Part 1

Format	Color
Hex	90EEFF
RGB	144, 238, 255
RGB Percent	56%, 93%, 100%
CMY	0.4353, 0.0667, 0.0000
CMYK	0.44, 0.07, 0.00, 0.00
HSL	189°, 100%, 78%
HSV	189°, 44%, 100%
XYZ	60.1261, 74.2984, 105.7798
YIQ	211.8320, -61.4810, -14.6410

Conversions

Conversions Part 2

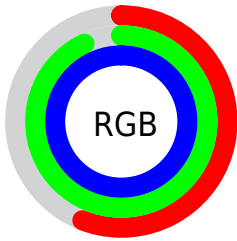
Format	Color
RYB	144, 195, 255
Decimal	9498367
CIELab	89.06, -23.64, -16.94
CIELCh	89, 29.082, 215.620
Yxy	74.2984, 0.2503, 0.3093
Android (android.graphics.Color)	4287688447 (0xFF90EEFF)
YUV	211.8320, 21.2818, -59.4887
Hunter-Lab	86.1965, -26.3318, -12.4227

Details

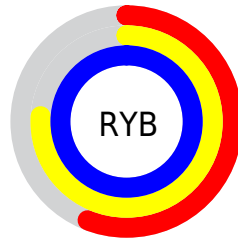
The XYZ color **60.1261, 74.2984, 105.7798** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.0193, 48.7636, 32.6890**, and the grayscale version is **62.3620, 65.6097, 71.4489**.

A 20% lighter version of the original color is **78.4386, 91.4365, 108.1226**, and **30.6673, 39.4644, 59.4271** is the 20% darker color. If you saturate the color by 10%, you get **55.0411, 70.0093, 105.2199**, and if you desaturate by 10%, it is **66.2456, 79.1609, 106.3958**.

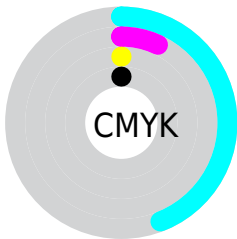
Distribution



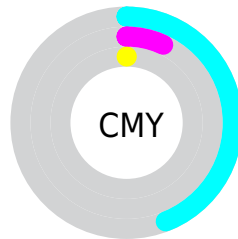
- Red (56%)
- Green (93%)
- Blue (100%)



- Red (56%)
- Yellow (76%)
- Blue (100%)



- Cyan (44%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 60.1261, 74.2984, 105.7798 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 60.1261, 74.2984, 105.7798 by changing the saturation by 10% instead.

60.1261, 74.2984,
105.7798

60.1261, 74.2984,
105.7798

414.8897,
475.5026, 599.9728

43.7701, 55.0383,
80.4925

104.1179,
125.3187, 171.1984

30.6870, 39.4324,
59.5952

132.4844,
157.8477, 212.1668

20.5113, 27.0963,
42.6693

165.5851,
195.5685, 259.1994

12.8776, 17.6455,
29.2962

203.7855,
238.8654, 312.7146

7.4208, 10.6958,
19.0575

247.4507,
288.1229, 373.1310

3.7753, 5.8627,
11.5346

296.9463,

1.5758, 2.7618,

343.7253, 440.8671

6.3090

352.6375,
406.0571, 516.3415

■ 0.3766, 1.0087,
2.9620

■ 0.0000, 0.0000,
1.0753

■ 60.1261, 74.2984,
105.7798

■ 60.1261, 74.2984,
105.7798

■ 55.0411, 70.0093,
105.2199

■ 66.2456, 79.1609,
106.3958

■ 50.9157, 66.2496,
104.7116

■ 73.4559, 84.6207,
107.0696

■ 47.6748, 62.9819,
104.2517

■ 81.8162, 90.7106,
107.8045

■ 45.2289, 60.1600,
103.8360

■ 91.3798, 97.4580,
108.6028

■ 43.4687, 57.7273,
103.4592

95.0500, 100.0000,
108.9000

■ 42.5940, 56.3081,
103.2313

Harmonies

Analogous

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



57.9255, 74.2984, 84.7747



60.1261, 74.2984, 105.7798



65.1500, 74.2984, 121.8311

Triad

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



60.1261, 74.2984, 105.7798



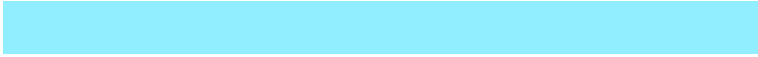
83.7495, 74.2984, 98.0715



69.2943, 74.2984, 47.9870

Complementary

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



60.1261, 74.2984, 105.7798



59.0193, 48.7636, 32.6890

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.



76.3845, 74.2984, 50.3452



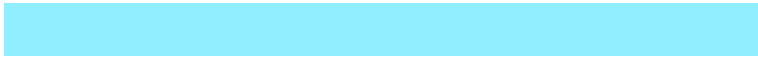
60.1261, 74.2984, 105.7798



85.0420, 74.2984, 77.1419

Square

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



60.1261, 74.2984, 105.7798



78.8423, 74.2984, 116.8858



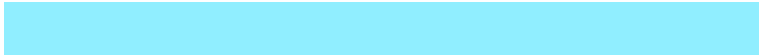
82.2654, 74.2984, 60.2608



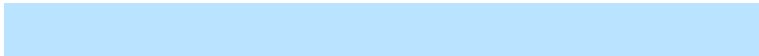
62.9872, 74.2984, 53.1783

Rectangle

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



60.1261, 74.2984, 105.7798



69.5845, 74.2984, 126.3000



82.2654, 74.2984, 60.2608



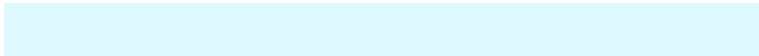
71.6624, 74.2984, 47.9351

Sweetspot

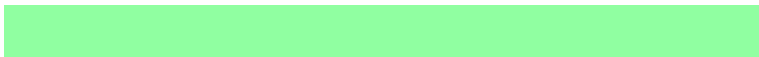
The Sweet Spot groups the original color and five complimentary colors.



60.1281, 74.3012, 105.7802



82.2903, 91.0499, 107.8450



53.6649, 80.0107, 46.1736



17.1938, 19.1872, 23.0472



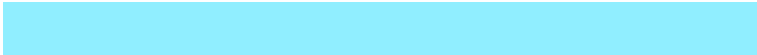
0.0000, 0.0000, 0.0000



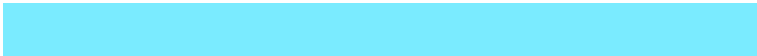
20.3446, 21.4041, 23.3091

Same Dimension

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



60.1281, 74.3012, 105.7802



55.7542, 70.6296, 105.3021



46.4555, 46.9560, 101.2227



18.3040, 19.9796, 23.1417



22.3457, 29.6011, 53.9704



2.2369, 3.0046, 5.2753

Inverse Universe

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



66.6472, 47.3812, 86.5249



63.2003, 41.2581, 82.9998



70.8691, 72.4632, 36.6389



18.6661, 18.2497, 22.1247



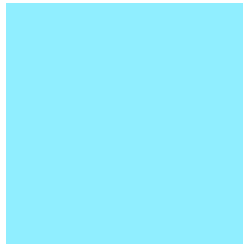
28.0673, 13.7162, 35.3345



2.7637, 1.3479, 3.6031

Previews

White Background



This preview shows how the XYZ color 60.1261, 74.2984, 105.7798 looks on a white background.

Color Contrast Check

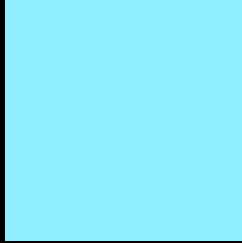
Large Text (above 18pt) WCAG AA × Fail

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 60.1261, 74.2984, 105.7798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

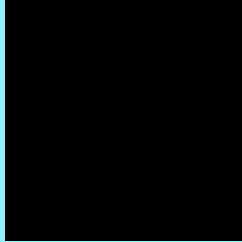
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 60.1261, 74.2984, 105.7798

Background



This preview shows how black text looks on a background with the XYZ color 60.1261, 74.2984, 105.7798.

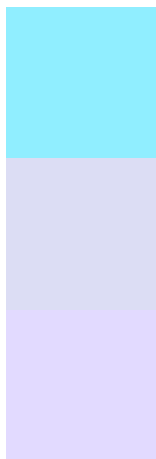


This preview shows how white text looks on a background with the XYZ color 60.1261, 74.2984,

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

60.1261, 74.2984, 105.7798

Protanopia

71.7008, 73.4602, 95.9882

Deuteranopia

74.4854, 73.5316, 104.8749



Tritanopia

61.0967, 74.3677, 105.7420

Trichromacy



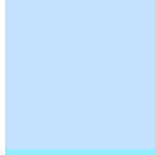
Original Color

60.1261, 74.2984, 105.7798



Protanomaly

66.1506, 72.9219, 99.3958



Deuteranomaly

67.7402, 72.8062, 105.0905



Tritanomaly

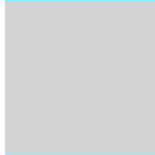
60.5469, 74.0843, 105.7163

Monochromacy



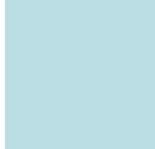
Original Color

60.1261, 74.2984, 105.7798



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

60.3536, 67.8791, 83.3198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.1261, 74.2984, 105.7798 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(144, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(144, 238, 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(144, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 60.1261, 74.2984, 105.7798 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(144, 238, 255) }
```


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

```
.border{ border-color:rgb(144, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(144, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 60.1261, 74.2984, 105.7798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 238, 255) }
```

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

```
.background{ background-color: rgb(144,  
238, 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](#).

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