

# Converting Colors

XYZ(61.8749, 74.2050, 94.2030)

Have a look what the booklet for  
XYZ(61.8749, 74.2050, 94.2030)  
contains.

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# Color

**XYZ(61.9477, 74.2026,  
94.2766)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9EBF1
RGB	169, 235, 241
RGB Percent	66%, 92%, 95%
CMY	0.3372, 0.0784, 0.0549
CMYK	0.30, 0.02, 0.00, 0.05
HSL	185°, 72%, 80%
HSV	185°, 30%, 95%
XYZ	61.9477, 74.2026, 94.2766
YIQ	215.9500, -41.2620, -12.1260

# Conversions

## Conversions Part 2

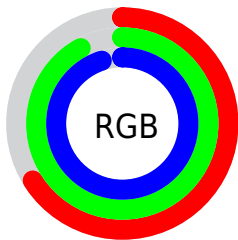
Format	Color
R <sub>Y</sub> B	169, 203, 241
Decimal	11135985
CIE Lab	89.02, -19.15, -9.56
CIE LCh	89, 21.407, 206.520
Yxy	74.2026, 0.2688, 0.3220
Android (android.graphics.Color)	4289326065 (0xFFA9EBF1)
YUV	215.9500, 12.3497, -41.1751
Hunter-Lab	86.1409, -22.3795, -4.5911

# Details

The XYZ color **61.9477, 74.2026, 94.2766** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.7679, 52.2258, 44.5208**, and the grayscale version is **65.1767, 68.5710, 74.6738**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **31.8165, 39.3204, 51.8116** is the 20% darker color. If you saturate the color by 10%, you get **56.6755, 70.6381, 93.8677**, and if you desaturate by 10%, it is **68.1837, 78.2773, 94.7357**.

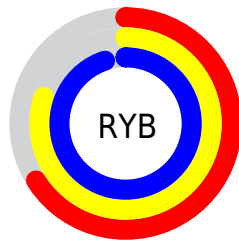
# Distribution



Red (66%)

Green (92%)

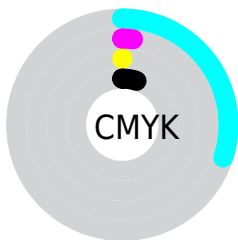
Blue (95%)



Red (66%)

Yellow (80%)

Blue (95%)

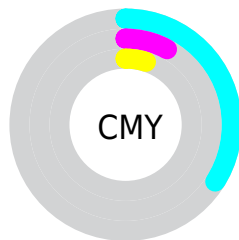


Cyan (30%)

Magenta (2%)

Yellow (0%)

Black (5%)



Cyan (34%)

Magenta (8%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.9477, 74.2026, 94.2766 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 61.9477, 74.2026, 94.2766 by changing the saturation by 10% instead.



61.9477, 74.2026,  
94.2766

61.9477, 74.2026,  
94.2766

421.4609,  
475.1723, 562.7716

45.2459, 54.9599,  
70.9395

106.7403,  
125.1830, 155.2518

31.8532, 39.3696,  
51.8113

135.5618,  
157.6894, 193.7269

21.4044, 27.0474,  
36.4735

169.1539,  
195.3859, 238.0852

13.5341, 17.6088,  
24.5075

207.8820,  
238.6567, 288.7450

7.8769, 10.6695,  
15.4948

252.1113,  
287.8864, 346.1251

4.0674, 5.8451,  
9.0169

302.2074,

1.7403, 2.7511,

343.4593, 410.6438

4.6553

358.5354,  
405.7598, 482.7198

■ 0.4813, 1.0032,  
1.9913

■ 0.0000, 0.0000,  
0.5499

■ 61.9477, 74.2026,  
94.2766

■ 61.9477, 74.2026,  
94.2766

■ 56.6755, 70.6381,  
93.8677

■ 68.1837, 78.2773,  
94.7357

■ 52.3080, 67.5477,  
93.5014

■ 75.4254, 82.8782,  
95.2421

■ 48.7900, 64.9049,  
93.1767

■ 83.7200, 88.0316,  
95.7996

■ 46.0573, 62.6764,  
92.8906

■ 89.1782, 91.7326,  
96.2263

■ 44.0366, 60.8245,  
92.6396

■ 89.7824, 92.9409,  
96.4277

■ 42.6407, 59.3041,  
92.4197

■ 90.3931, 94.1624,  
96.6312

■ 41.7252, 58.0408,  
92.2242

■ 91.0105, 95.3972,  
96.8370

■ 41.7147, 58.0256,  
92.2218

■ 91.6345, 96.6452,  
97.0450

■ 92.2652, 97.9064,  
97.2552

# Harmonies

## Analogous

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



61.0039, 74.2026, 79.0669



61.9477, 74.2026, 94.2766



65.1503, 74.2026, 107.1300

# Triad

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



61.9477, 74.2026, 94.2766



79.2066, 74.2026, 97.6557



71.1365, 74.2026, 55.4332

# Complementary

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



61.9477, 74.2026, 94.2766



58.7679, 52.2258, 44.5208

# 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.



76.1924, 74.2026, 59.1719



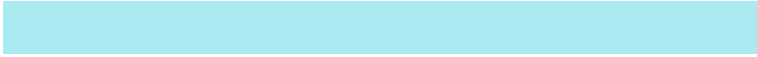
61.9477, 74.2026, 94.2766



80.9937, 74.2026, 82.5461

# Square

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



61.9477, 74.2026, 94.2766



75.0901, 74.2026, 109.2434



79.8647, 74.2026, 68.6623



66.1533, 74.2026, 57.7697

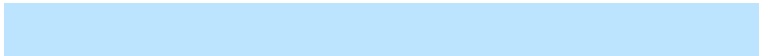


# Rectangle

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



61.9477, 74.2026, 94.2766



68.2205, 74.2026, 111.9876



79.8647, 74.2026, 68.6623



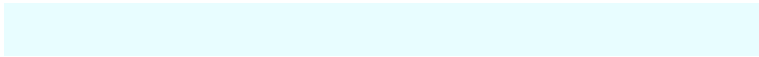
72.8857, 74.2026, 56.0082

# Sweetspot

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



61.9499, 74.2056, 94.2783



86.4981, 94.6906, 108.3259



55.4394, 74.3952, 51.3815



18.2381, 20.0944, 23.1673



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.



61.9499, 74.2056, 94.2783



66.5642, 81.7657, 106.8818



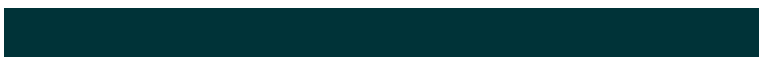
52.9415, 56.1887, 91.2755



16.1282, 17.6905, 20.2862



22.6693, 31.5628, 50.0253



1.9188, 2.6917, 4.1726



# Inverse Universe

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



65.4608, 53.0766, 85.3953



71.2159, 54.2627, 95.0023



66.4357, 67.5613, 47.0768



16.3941, 16.0074, 19.6318



26.7680, 12.9796, 38.2905

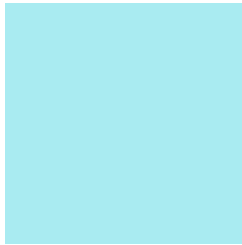


2.2435, 1.0864, 3.2730



# Previews

## White Background



This preview shows how the XYZ color 61.9477, 74.2026, 94.2766 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

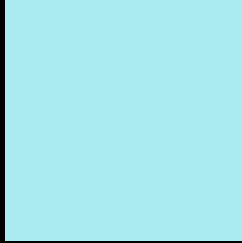
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.9477, 74.2026, 94.2766 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 61.9477, 74.2026, 94.2766**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.9477, 74.2026, 94.2766.



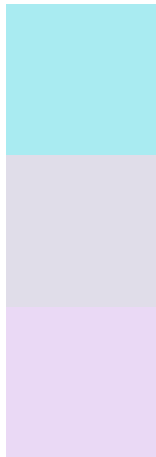
This preview shows how white text looks on a background with the XYZ color 61.9477, 74.2026,



# 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

61.9477, 74.2026, 94.2766

### Protanopia

71.3049, 73.4434, 87.5086

### Deuteranopia

75.2260, 73.7107, 96.6490



## Tritanopia

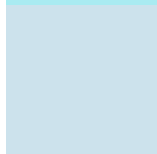
63.7229, 74.0768, 103.0352

# Trichromacy



## Original Color

61.9477, 74.2026, 94.2766



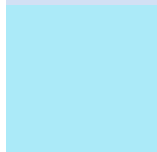
## Protanomaly

67.2385, 73.2862, 89.9587



## Deuteranomaly

69.5631, 73.5446, 96.1171



## Tritanomaly

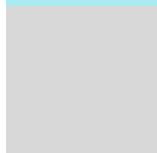
63.1607, 74.2809, 99.8157

# Monochromacy



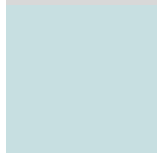
## Original Color

61.9477, 74.2026, 94.2766



## Achromatopsia

65.2694, 68.6685, 74.7800



## Achromatomaly

63.5315, 70.3537, 81.4653

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.9477, 74.2026, 94.2766 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(169, 235, 241)` looks like.

```
.text, #text, p{  
    color:rgb(169, 235, 241)  
}
```

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(169, 235, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 235, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 61.9477, 74.2026, 94.2766 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(169, 235, 241) }
```



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

```
.border{ border-color:rgb(169, 235, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 235, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 235, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 235, 241);  
box-shadow:4px 4px 4px 4px rgb(169, 235,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.9477, 74.2026, 94.2766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 235, 241) }
```

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

```
.background{ background-color: rgb(169,  
235, 241) }
```

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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