

# Converting Colors

XYZ(66.7793, 69.7821,  
152.3368)

Have a look what the booklet for  
XYZ(66.7793, 69.7821, 152.3368)  
contains.

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# **Color**

**XYZ(57.6168, 66.0008,  
104.3104)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CDDFF
RGB	156, 221, 255
RGB Percent	61%, 87%, 100%
CMY	0.3882, 0.1333, 0.0000
CMYK	0.39, 0.13, 0.00, 0.00
HSL	201°, 100%, 81%
HSV	201°, 39%, 100%
XYZ	57.6168, 66.0008, 104.3104
YIQ	205.4410, -49.6540, -3.2060

# Conversions

## Conversions Part 2

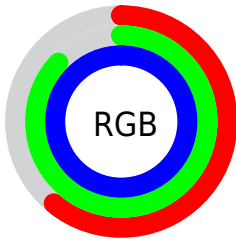
Format	Color
<a href="#">RYB</a>	<a href="#">156, 195, 255</a>
Decimal	<a href="#">10280447</a>
CIELab	<a href="#">85.00, -12.17, -23.03</a>
CIELCh	<a href="#">85, 26.045, 242.146</a>
Yxy	<a href="#">66.0008, 0.2528, 0.2896</a>
Android (android.graphics.Color)	<a href="#">4288470527 (0xFF9CDDFF)</a>
YUV	<a href="#">205.4410, 24.4326, -43.3598</a>
Hunter-Lab	<a href="#">81.2409, -15.5776, -19.2576</a>

# Details

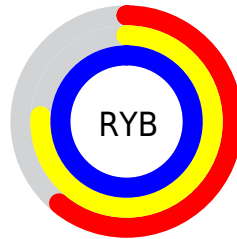
The XYZ color **57.6168, 66.0008, 104.3104** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.6548, 60.4878, 39.6696**, and the grayscale version is **58.1826, 61.2127, 66.6606**.

A 20% lighter version of the original color is **81.2506, 92.8861, 108.2542**, and **29.0848, 34.0590, 58.4672** is the 20% darker color. If you saturate the color by 10%, you get **50.9388, 59.2162, 103.3529**, and if you desaturate by 10%, it is **65.4549, 73.5655, 105.3575**.

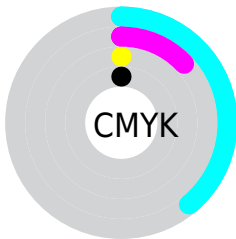
# Distribution



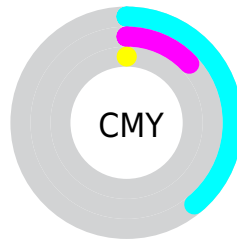
- Red (61%)
- Green (87%)
- Blue (100%)



- Red (61%)
- Yellow (76%)
- Blue (100%)



- Cyan (39%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (39%)
- Magenta (13%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.6168, 66.0008, 104.3104 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 57.6168, 66.0008, 104.3104 by changing the saturation by 10% instead.



■ 57.6168, 66.0008,  
104.3104

■ 57.6168, 66.0008,  
104.3104

405.7334,  
446.3797, 595.2899

■ 41.7427, 48.2731,  
79.2683

■ 100.4908,  
113.4875, 169.1715

■ 29.0901, 34.0432,  
58.5938

■ 128.2214,  
144.0152, 209.8276

■ 19.2936, 22.9268,  
41.8684

160.6350,  
179.5784, 256.5254

■ 11.9879, 14.5394,  
28.6734

198.0967,  
220.5614, 309.6836

■ 6.8076, 8.4968,  
18.5905

240.9721,  
267.3486, 369.7206

■ 3.3873, 4.4145,  
11.2009

289.6265,

■ 1.3617, 1.9080,

320.3245, 437.0549

6.0863

344.4251,  
379.8734, 512.1052

■ 0.2287, 0.5532,  
2.8280

■ 0.0000, 0.0000,  
1.0075

■ 57.6168, 66.0008,  
104.3104

■ 57.6168, 66.0008,  
104.3104

■ 50.9388, 59.2162,  
103.3529

■ 65.4549, 73.5655,  
105.3575

■ 45.3480, 53.1671,  
102.4799

■ 74.5090, 81.9371,  
106.4961

■ 40.7718, 47.8145,  
101.6880

■ 84.8377, 91.1502,  
107.7301

■ 37.1253, 43.1119,  
100.9725

95.0500, 100.0000,  
108.9000

■ 34.3082, 39.0047,  
100.3282

■ 32.1756, 35.4154,  
99.7478

■ 31.9476, 35.0151,  
99.6825

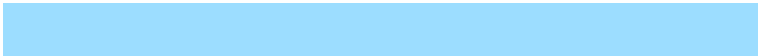
# Harmonies

## Analogous

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



53.6732, 66.0008, 90.4229



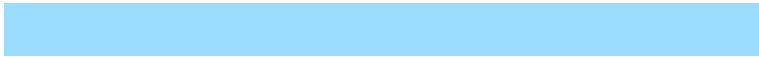
57.6168, 66.0008, 104.3104



63.1543, 66.0008, 109.1437

# Triad

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



57.6168, 66.0008, 104.3104



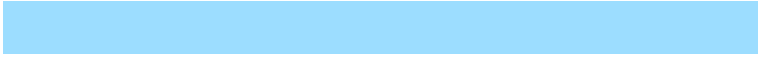
74.6695, 66.0008, 70.6629



56.9295, 66.0008, 47.8726

# Complementary

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



57.6168, 66.0008, 104.3104



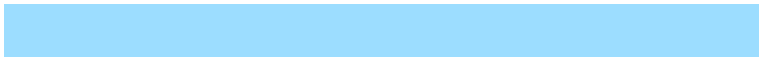
65.6548, 60.4878, 39.6696

# 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.



62.3111, 66.0008, 44.2164



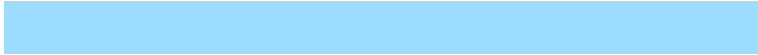
57.6168, 66.0008, 104.3104



72.7562, 66.0008, 56.0353

# Square

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



57.6168, 66.0008, 104.3104



73.2226, 66.0008, 88.0072



68.1409, 66.0008, 46.9574

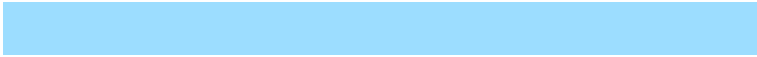


53.2941, 66.0008, 57.8258



# Rectangle

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



57.6168, 66.0008, 104.3104



67.0727, 66.0008, 106.0599



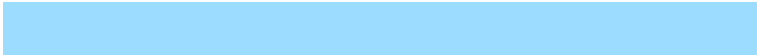
68.1409, 66.0008, 46.9574



58.5823, 66.0008, 45.9429

# Sweetspot

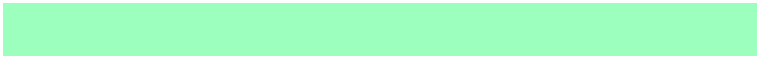
The Sweet Spot groups the original color and five complimentary colors.



57.6187, 66.0033, 104.3108



81.4134, 88.1289, 107.3274



58.6569, 82.2627, 60.9327



17.1328, 18.6028, 22.9377



0.0000, 0.0000, 0.0000

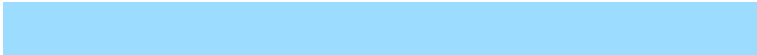


20.3446, 21.4041, 23.3091

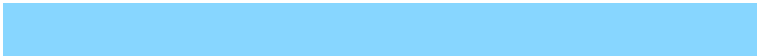


# Same Dimension

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



57.6187, 66.0033, 104.3108



52.0724, 60.3965, 103.5209



46.6099, 43.9857, 100.6412



17.9989, 19.3694, 23.0400



16.8378, 18.5851, 52.1344



1.7412, 2.0132, 5.1101



# Inverse Universe

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



66.1809, 50.2592, 74.6221



62.0423, 43.4768, 68.6344



77.9617, 85.1016, 43.7718



18.5121, 18.1881, 21.3138



25.2871, 12.6041, 20.6943

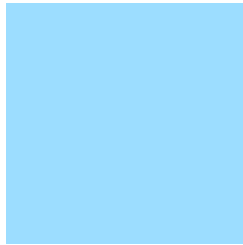


2.5135, 1.2478, 2.2855



# Previews

## White Background



This preview shows how the XYZ color 57.6168, 66.0008, 104.3104 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

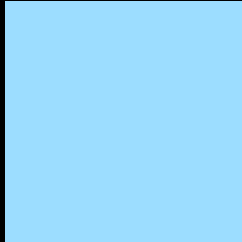
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.6168, 66.0008, 104.3104 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 57.6168, 66.0008, 104.3104

## Background



This preview shows how black text looks on a background with the XYZ color 57.6168, 66.0008, 104.3104.



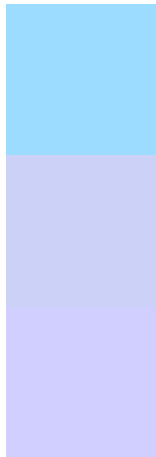
This preview shows how white text looks on a background with the XYZ color 57.6168, 66.0008,



# 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

57.6168, 66.0008, 104.3104

### Protanopia

64.7369, 65.6460, 97.2546

### Deuteranopia

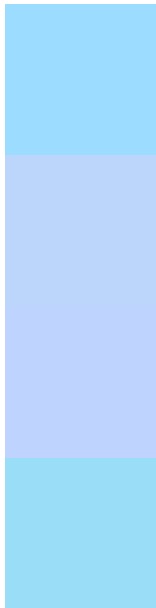
66.6573, 65.4010, 103.7182



## Tritanopia

55.2138, 65.8016, 93.0100

# Trichromacy



## Original Color

57.6168, 66.0008, 104.3104

## Protanomaly

61.7954, 65.5601, 99.8399

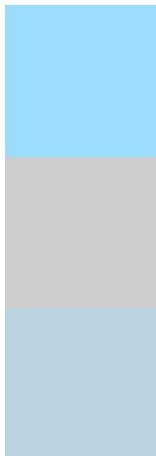
## Deuteranomaly

62.8287, 65.2541, 103.8916

## Tritanomaly

55.8927, 65.6687, 96.9182

# Monochromacy



## Original Color

57.6168, 66.0008, 104.3104

## Achromatopsia

58.0276, 61.0496, 66.4830

## Achromatomaly

57.1071, 62.4810, 78.8622

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.6168, 66.0008, 104.3104 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(156, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(156, 221, 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(156, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 221, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 57.6168, 66.0008, 104.3104 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(156, 221, 255) }
```



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

```
.border{ border-color:rgb(156, 221, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(156, 221,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.6168, 66.0008, 104.3104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 221, 255) }
```

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

```
.background{ background-color: rgb(156,  
221, 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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