

# Converting Colors

XYZ(86.9499, 78.5639,  
263.0463)

Have a look what the booklet for  
XYZ(86.9499, 78.5639, 263.0463)  
contains.

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# Color

**XYZ(56.8321, 66.3849,  
104.4259)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95DFFF
RGB	149, 223, 255
RGB Percent	58%, 87%, 100%
CMY	0.4157, 0.1255, 0.0000
CMYK	0.42, 0.13, 0.00, 0.00
HSL	198°, 100%, 79%
HSV	198°, 42%, 100%
XYZ	56.8321, 66.3849, 104.4259
YIQ	204.5220, -54.3760, -5.7360

# Conversions

## Conversions Part 2

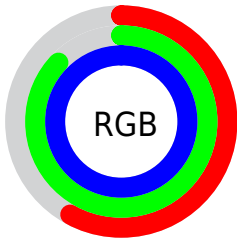
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	149, 193, 255
Decimal	9822207
CIE <sub>Lab</sub>	85.19, -14.94, -22.76
CIE <sub>LCh</sub>	85, 27.229, 236.720
Yxy	66.3849, 0.2497, 0.2916
Android (android.graphics.Color)	4288012287 (0xFF95DFFF)
YUV	204.5220, 24.8857, -48.6928
Hunter-Lab	81.4769, -18.0766, -18.9559

# Details

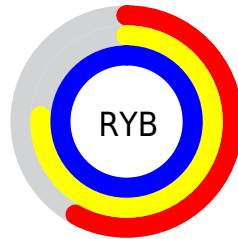
The XYZ color **56.8321, 66.3849, 104.4259** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **63.1893, 56.4782, 36.0067**, and the grayscale version is **57.5985, 60.5981, 65.9913**.

A 20% lighter version of the original color is **79.5421, 92.0054, 108.1742**, and **28.6093, 34.3578, 58.5499** is the 20% darker color. If you saturate the color by 10%, you get **50.6693, 60.2253, 103.5618**, and if you desaturate by 10%, it is **64.1106, 73.2615, 105.3696**.

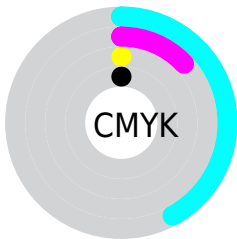
# Distribution



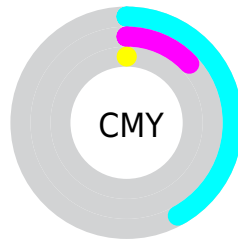
- Red (58%)
- Green (87%)
- Blue (100%)



- Red (58%)
- Yellow (76%)
- Blue (100%)



- Cyan (42%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (13%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8321, 66.3849, 104.4259 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 56.8321, 66.3849, 104.4259 by changing the saturation by 10% instead.



56.8321, 66.3849,  
104.4259

56.8321, 66.3849,  
104.4259

402.8442,  
447.7522, 595.6587

41.1101, 48.5849,  
79.3645

99.3529, 114.0386,  
169.3309

28.5932, 34.2903,  
58.6725

126.8824,  
144.6611, 210.0116

18.9160, 23.1167,  
41.9312

159.0785,  
180.3266, 256.7359

11.7132, 14.6797,  
28.7223

196.3064,  
221.4194, 309.9221

6.6195, 8.5949,  
18.6271

238.9316,  
268.3240, 369.9890

3.2695, 4.4779,  
11.2270

287.3194,

1.2978, 1.9443,

321.4247, 437.3551

6.1037

341.8352,  
381.1060, 512.4388

■ 0.1816, 0.5748,  
2.8384

■ 0.0000, 0.0000,  
1.0127

■ 56.8321, 66.3849,  
104.4259

■ 56.8321, 66.3849,  
104.4259

■ 50.6693, 60.2253,  
103.5618

■ 64.1106, 73.2615,  
105.3696

■ 45.5481, 54.7381,  
102.7726

■ 72.5615, 80.8816,  
106.3951

■ 41.3940, 49.8846,  
102.0547

■ 82.2440, 89.2790,  
107.5056

■ 38.1191, 45.6176,  
101.4037

■ 93.2118, 98.4830,  
108.7041

■ 35.6179, 41.8807, 95.0500, 100.0000,  
100.8143 108.9000

■ 33.9753, 39.0705,  
100.3584

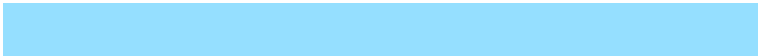
# Harmonies

## Analogous

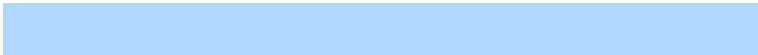
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.1195, 66.3849, 88.5910



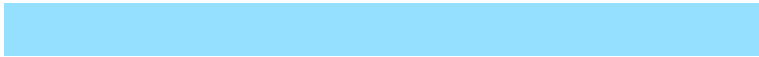
56.8321, 66.3849, 104.4259



62.4231, 66.3849, 111.6068

# Triad

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



56.8321, 66.3849, 104.4259



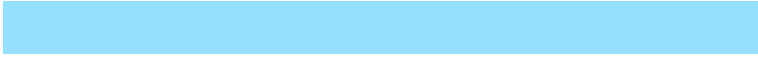
75.6449, 66.3849, 74.2358



57.9315, 66.3849, 46.0712

# Complementary

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



56.8321, 66.3849, 104.4259



63.1893, 56.4782, 36.0067

# 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.



63.7755, 66.3849, 43.4858



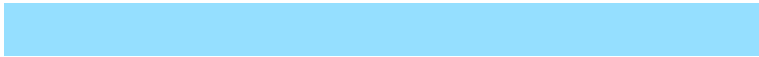
56.8321, 66.3849, 104.4259



74.2514, 66.3849, 58.1083

# Square

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



56.8321, 66.3849, 104.4259



73.5002, 66.3849, 92.4884



69.8059, 66.3849, 47.5205

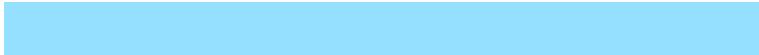


53.7246, 66.3849, 55.2562



# Rectangle

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



56.8321, 66.3849, 104.4259



66.5578, 66.3849, 109.7797



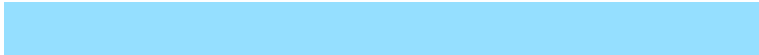
69.8059, 66.3849, 47.5205



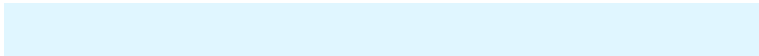
59.7580, 66.3849, 44.4733

# Sweetspot

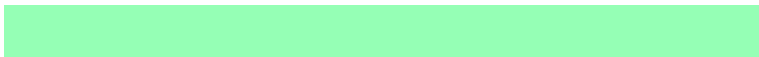
The Sweet Spot groups the original color and five complimentary colors.



56.8340, 66.3874, 104.4263



81.7983, 88.8987, 107.4557



56.4756, 81.2381, 56.3143



17.2236, 18.7845, 22.9679



0.0000, 0.0000, 0.0000

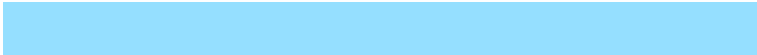


20.3446, 21.4041, 23.3091

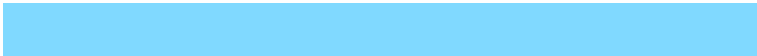


# Same Dimension

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



56.8340, 66.3874, 104.4263



51.5644, 61.1451, 103.6922



44.8583, 42.4359, 100.4344



18.0649, 19.5013, 23.0620



17.8902, 20.6900, 52.4852



1.8380, 2.2066, 5.1423



# Inverse Universe

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



65.3080, 48.0843, 75.6538



61.3551, 41.5526, 70.1002



76.0314, 82.1624, 40.2874



18.5454, 18.2015, 21.4891



25.8183, 12.8166, 23.4916

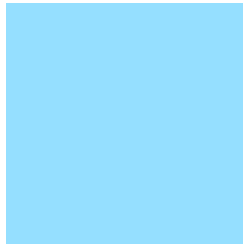


2.5623, 1.2673, 2.5426



# Previews

## White Background



This preview shows how the XYZ color 56.8321, 66.3849, 104.4259 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

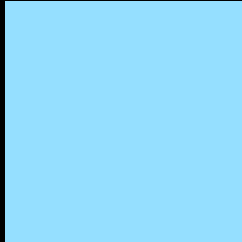
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.8321, 66.3849, 104.4259 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 56.8321, 66.3849, 104.4259**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.8321, 66.3849, 104.4259.



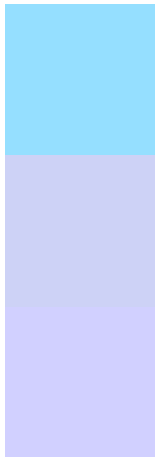
This preview shows how white text looks on a background with the XYZ color 56.8321, 66.3849,



# 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

56.8321, 66.3849, 104.4259

### Protanopia

64.8580, 65.7261, 96.4568

### Deuteranopia

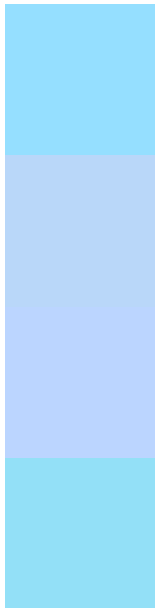
66.9004, 65.8871, 103.7992



## Tritanopia

54.9569, 66.4325, 94.7202

# Trichromacy



**Original Color**

56.8321, 66.3849, 104.4259

**Protanomaly**

61.4069, 65.7547, 99.0780

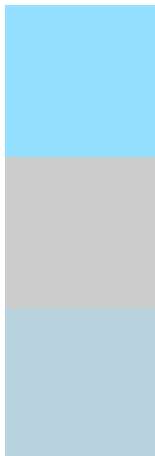
**Deuteranomaly**

62.3378, 65.3733, 103.9405

**Tritanomaly**

55.4768, 66.2298, 97.8554

# Monochromacy



**Original Color**

56.8321, 66.3849, 104.4259

**Achromatopsia**

58.0276, 61.0496, 66.4830

**Achromatomaly**

56.8703, 62.7290, 78.9226

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.8321, 66.3849, 104.4259 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(149, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 223, 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(149, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 223, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 56.8321, 66.3849, 104.4259 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(149, 223, 255) }
```



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

```
.border{ border-color:rgb(149, 223, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 223,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.8321, 66.3849, 104.4259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 223, 255) }
```

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

```
.background{ background-color: rgb(149,  
223, 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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