

# Converting Colors

XYZ(56.8149, 65.2484,  
104.2075)

Have a look what the booklet for  
XYZ(56.8149, 65.2484, 104.2075)  
contains.

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# Color

**XYZ(56.7801, 65.1787,  
104.1959)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99DCFF
RGB	153, 220, 255
RGB Percent	60%, 86%, 100%
CMY	0.4000, 0.1372, 0.0000
CMYK	0.40, 0.14, 0.00, 0.00
HSL	201°, 100%, 80%
HSV	201°, 40%, 100%
XYZ	56.7801, 65.1787, 104.1959
YIQ	203.9570, -51.1670, -3.3190

# Conversions

## Conversions Part 2

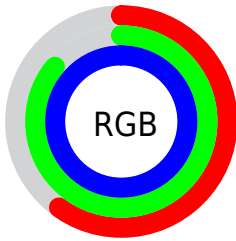
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	153, 193, 255
Decimal	10083583
CIE Lab	84.58, -12.41, -23.68
CIE LCh	85, 26.737, 242.340
Yxy	65.1787, 0.2511, 0.2882
Android (android.graphics.Color)	4288273663 (0xFF99DCFF)
YUV	203.9570, 25.1642, -44.6893
Hunter-Lab	80.7333, -15.7435, -20.0074

# Details

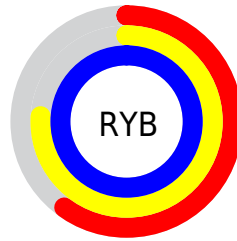
The XYZ color **56.7801, 65.1787, 104.1959** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.9736, 59.5269, 38.2044**, and the grayscale version is **57.2382, 60.2191, 65.5786**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **28.5779, 33.5289, 58.3916** is the 20% darker color. If you saturate the color by 10%, you get **50.2352, 58.4859, 103.2490**, and if you desaturate by 10%, it is **64.4772, 72.6469, 105.2317**.

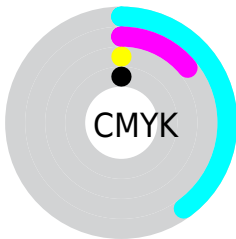
# Distribution



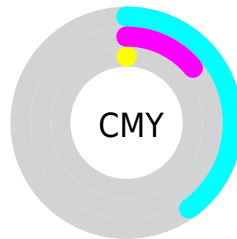
- Red (60%)
- Green (86%)
- Blue (100%)



- Red (60%)
- Yellow (76%)
- Blue (100%)



- Cyan (40%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (14%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.7801, 65.1787, 104.1959 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 56.7801, 65.1787, 104.1959 by changing the saturation by 10% instead.



■ 56.7801, 65.1787,  
104.1959

■ 56.7801, 65.1787,  
104.1959

402.6523,  
443.4339, 594.9242

■ 41.0682, 47.6060,  
79.1730

■ 99.2775, 112.3067,  
169.0134

■ 28.5603, 33.5150,  
58.5159

■ 126.7936,  
142.6309, 209.6451

■ 18.8910, 22.5212,  
41.8061

158.9752,  
177.9742, 256.3168

■ 11.6951, 14.2404,  
28.6250

196.1876,  
218.7213, 309.4470

■ 6.6071, 8.2881,  
18.5542

238.7961,  
265.2564, 369.4544

■ 3.2618, 4.2798,  
11.1751

287.1662,

■ 1.2937, 1.8313,

317.9639, 436.7573

6.0691

341.6632,  
377.2283, 511.7744

■ 0.1785, 0.5066,  
2.8177

■ 0.0000, 0.0000,  
1.0023

■ 56.7801, 65.1787,  
104.1959

■ 56.7801, 65.1787,  
104.1959

■ 50.2352, 58.4859,  
103.2490

■ 64.4772, 72.6469,  
105.2317

■ 44.7692, 52.5234,  
102.3862

■ 73.3831, 80.9179,  
106.3588

■ 40.3081, 47.2520,  
101.6038

■ 83.5569, 90.0262,  
107.5806

■ 36.7657, 42.6243,  
100.8973

95.0500, 100.0000,  
108.9000

■ 34.0391, 38.5845,  
100.2612

■ 31.9618, 35.0436,  
99.6873

■ 31.9615, 35.0430,  
99.6872

# Harmonies

## Analogous

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



52.7618, 65.1787, 90.0174



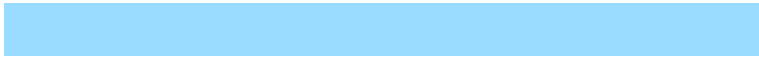
56.7801, 65.1787, 104.1959



62.4195, 65.1787, 109.0814

# Triad

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



56.7801, 65.1787, 104.1959



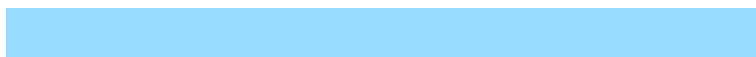
74.1235, 65.1787, 69.6368



56.0188, 65.1787, 46.6891

# Complementary

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



56.7801, 65.1787, 104.1959



64.9736, 59.5269, 38.2044

# 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.



61.4837, 65.1787, 42.9620



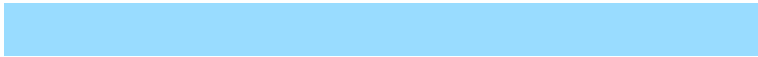
56.7801, 65.1787, 104.1959



72.1483, 65.1787, 54.8165

# Square

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



56.7801, 65.1787, 104.1959



72.6675, 65.1787, 87.3249



67.4254, 65.1787, 45.6827

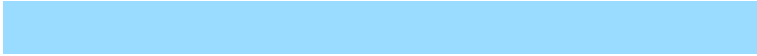


52.3425, 65.1787, 56.7938



# Rectangle

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



56.7801, 65.1787, 104.1959



66.4102, 65.1787, 105.8685



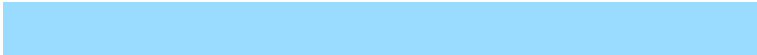
67.4254, 65.1787, 45.6827



57.6949, 65.1787, 44.7293

# Sweetspot

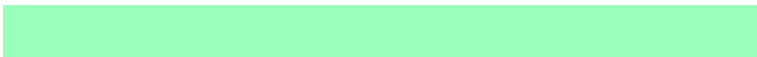
The Sweet Spot groups the original color and five complimentary colors.



56.7819, 65.1811, 104.1962



81.4161, 88.1344, 107.3283



57.8677, 81.8807, 59.7701



17.1335, 18.6041, 22.9379



0.0000, 0.0000, 0.0000

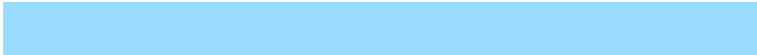


20.3446, 21.4041, 23.3091

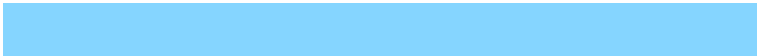


# Same Dimension

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



56.7819, 65.1811, 104.1962



51.4547, 59.7638, 103.4314



45.5632, 42.7437, 100.4567



17.9993, 19.3703, 23.0401



16.8450, 18.5996, 52.1368



1.7419, 2.0145, 5.1103



# Inverse Universe

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



65.5508, 49.2115, 73.7566



61.5834, 42.7300, 67.9544



77.5649, 84.7096, 42.4015



18.5123, 18.1882, 21.3150



25.2908, 12.6056, 20.7135

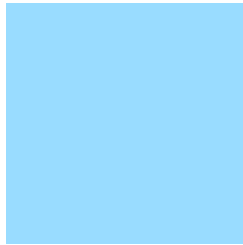


2.5138, 1.2479, 2.2873



# Previews

## White Background



This preview shows how the XYZ color 56.7801, 65.1787, 104.1959 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

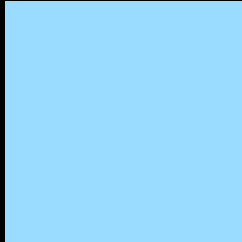
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.7801, 65.1787, 104.1959 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

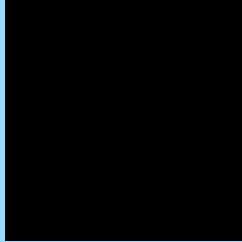
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 56.7801, 65.1787, 104.1959

## Background



This preview shows how black text looks on a background with the XYZ color 56.7801, 65.1787, 104.1959.



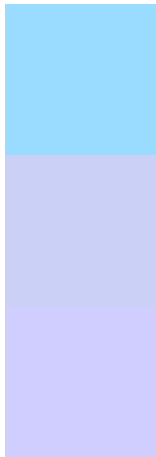
This preview shows how white text looks on a background with the XYZ color 56.7801, 65.1787,



# 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

56.7801, 65.1787, 104.1959

### Protanopia

63.9730, 64.5237, 97.0783

### Deuteranopia

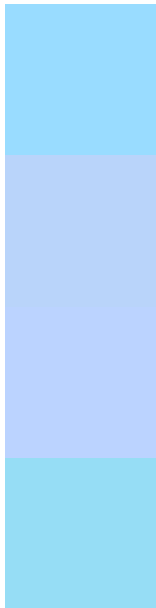
65.8534, 64.6280, 103.6113



## Tritanopia

54.2439, 64.9234, 92.1106

# Trichromacy



## Original Color

56.7801, 65.1787, 104.1959

## Protanomaly

60.8064, 64.3034, 99.6494

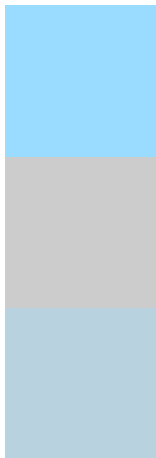
## Deuteranomaly

61.8378, 64.3733, 103.7738

## Tritanomaly

54.9156, 64.7895, 95.9975

# Monochromacy



## Original Color

56.7801, 65.1787, 104.1959

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

56.3735, 61.7352, 78.7569

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.7801, 65.1787, 104.1959 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(153, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 220, 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(153, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 220, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 56.7801, 65.1787, 104.1959 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(153, 220, 255) }
```



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

```
.border{ border-color:rgb(153, 220, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 220,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.7801, 65.1787, 104.1959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 220, 255) }
```

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

```
.background{ background-color: rgb(153,  
220, 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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