

# Converting Colors

XYZ(51.0928, 56.6431,  
102.0077)

Have a look what the booklet for  
XYZ(51.0928, 56.6431, 102.0077)  
contains.

<b>XYZ(51.0484, 56.6580, 102.0115)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(51.0484, 56.6580,  
102.0115)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FCDFE
RGB	143, 205, 254
RGB Percent	56%, 80%, 100%
CMY	0.4392, 0.1961, 0.0039
CMYK	0.44, 0.19, 0.00, 0.00
HSL	206°, 98%, 78%
HSV	206°, 44%, 100%
XYZ	51.0484, 56.6580, 102.0115
YIQ	192.0480, -52.6810, 2.0950

# Conversions

## Conversions Part 2

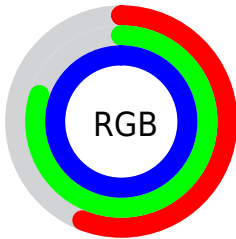
Format	Color
R <sub>Y</sub> B	143, 183, 254
Decimal	9424382
CIE Lab	79.99, -7.31, -30.21
CIE LCh	80, 31.078, 256.400
Yxy	56.6580, 0.2434, 0.2702
Android (android.graphics.Color)	4287614462 (0xFF8FCDFE)
YUV	192.0480, 30.5423, -43.0151
Hunter-Lab	75.2715, -10.6682, -27.6625

# Details

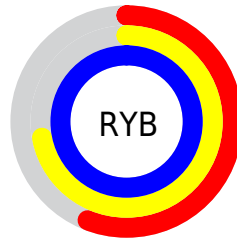
The XYZ color **51.0484, 56.6580, 102.0115** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.6821, 60.7550, 34.3064**, and the grayscale version is **49.9819, 52.5849, 57.2649**.

A 20% lighter version of the original color is **77.8974, 91.1575, 108.0973**, and **24.9824, 28.1429, 56.9387** is the 20% darker color. If you saturate the color by 10%, you get **44.5525, 49.4703, 100.9675**, and if you desaturate by 10%, it is **58.7356, 64.7476, 103.1688**.

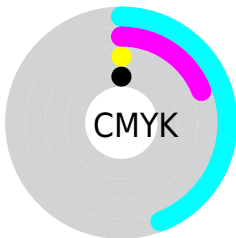
# Distribution



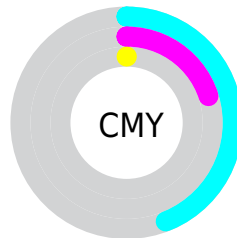
- Red (56%)
- Green (80%)
- Blue (100%)



- Red (56%)
- Yellow (72%)
- Blue (100%)



- Cyan (44%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (20%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0484, 56.6580, 102.0115 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 51.0484, 56.6580, 102.0115 by changing the saturation by 10% instead.



■ 51.0484, 56.6580,  
102.0115

■ 51.0484, 56.6580,  
102.0115

381.1364,  
412.1666, 587.9243

■ 36.4683, 40.7307,  
77.3553

■ 90.9089, 99.9660,  
165.9946

■ 24.9679, 28.1087,  
57.0312

■ 116.9200,  
128.1155, 206.1586

■ 16.1817, 18.4076,  
40.6208

147.4722,  
161.1079, 252.3289

■ 9.7445, 11.2430,  
27.7054

182.9308,  
199.3275, 304.9241

■ 5.2909, 6.2306,  
17.8666

223.6611,  
243.1588, 364.3627

■ 2.4554, 2.9858,  
10.6858

270.0286,

■ 0.8728, 1.1243,

292.9861, 431.0632

5.7445

322.3986,  
349.1939, 505.4443

■ 0.0000, 0.0000,  
2.6241

■ 0.0000, 0.0000,  
0.9048

■ 51.0484, 56.6580,  
102.0115

■ 51.0484, 56.6580,  
102.0115

■ 44.5525, 49.4703,  
100.9675

■ 58.7356, 64.7476,  
103.1688

■ 39.1703, 43.1349,  
100.0284

■ 67.6742, 73.7723,  
104.4396

■ 34.8230, 37.6064,  
99.1904

■ 77.9264, 83.7708,  
105.8292

■ 31.4176, 32.8303,  
98.4480

■ 89.5484, 94.7777,  
107.3412

■ 28.8414, 28.7421,  
97.7947

94.8896, 99.9358,  
108.0553

■ 27.5441, 26.4648,  
97.4235

# Harmonies

## Analogous

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



45.9091, 56.6580, 90.4370



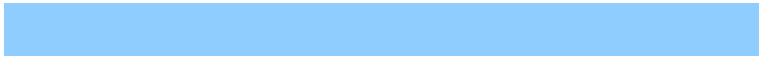
51.0484, 56.6580, 102.0115



57.3512, 56.6580, 101.3980

# Triad

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



51.0484, 56.6580, 102.0115



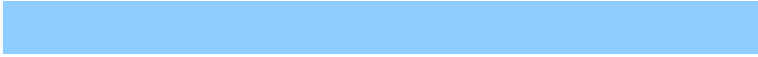
66.3522, 56.6580, 52.3893



45.5331, 56.6580, 40.6936

# Complementary

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



51.0484, 56.6580, 102.0115



64.6821, 60.7550, 34.3064

# 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.



50.4975, 56.6580, 33.9962



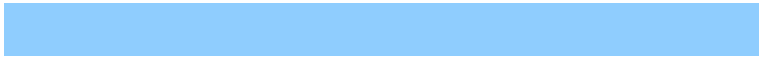
51.0484, 56.6580, 102.0115



62.6613, 56.6580, 39.7902

# Square

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



51.0484, 56.6580, 102.0115



66.5288, 56.6580, 70.2291



56.7559, 56.6580, 33.7015

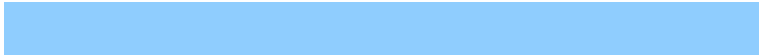


42.8970, 56.6580, 53.8744



# Rectangle

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



51.0484, 56.6580, 102.0115



61.3788, 56.6580, 94.1055



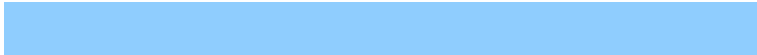
56.7559, 56.6580, 33.7015



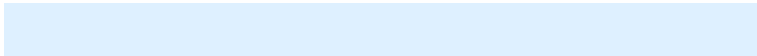
46.9666, 56.6580, 37.7326

# Sweetspot

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



51.0503, 56.6601, 102.0128



79.3963, 85.2620, 106.8803



56.1861, 80.4906, 61.9248



16.4757, 17.7511, 22.8079



0.0000, 0.0000, 0.0000

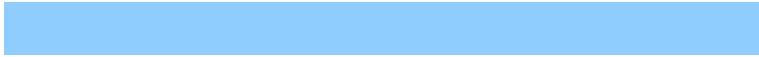


20.3446, 21.4041, 23.3091

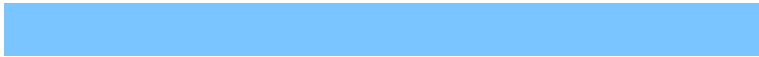


# Same Dimension

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



51.0503, 56.6601, 102.0128



45.9779, 51.0769, 102.0433



40.1892, 34.9380, 98.3925



17.8446, 19.0609, 22.9886



14.6710, 14.2515, 51.4122



1.5374, 1.6055, 5.0421



# Inverse Universe

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



61.7166, 45.1254, 63.2169



58.2656, 39.2843, 57.0144



78.9708, 89.3324, 39.0693



18.4342, 18.1570, 20.9038



24.1934, 12.1667, 14.9350

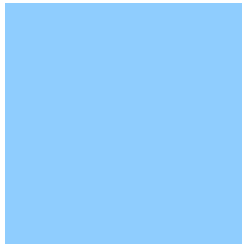


2.4106, 1.2066, 1.7437



# Previews

## White Background



This preview shows how the XYZ color 51.0484, 56.6580, 102.0115 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

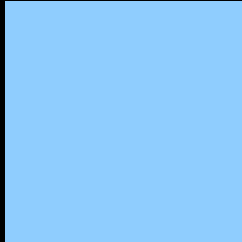
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.0484, 56.6580, 102.0115 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

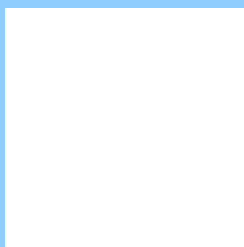
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.0484, 56.6580, 102.0115

## Background



This preview shows how black text looks on a background with the XYZ color 51.0484, 56.6580, 102.0115.



This preview shows how white text looks on a background with the XYZ color 51.0484, 56.6580,



# 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

51.0484, 56.6580, 102.0115

### Protanopia

56.5360, 56.5095, 95.9234

### Deuteranopia

57.5915, 56.2427, 102.4283



## **Tritanopia**

46.9034, 56.7901, 81.1626

# Trichromacy



## Original Color

51.0484, 56.6580, 102.0115

## Protanomaly

54.2563, 56.2950, 98.4489

## Deuteranomaly

54.8216, 56.1542, 102.5572

## Tritanomaly

48.3232, 56.6294, 88.5044

# Monochromacy



## Original Color

51.0484, 56.6580, 102.0115

## Achromatopsia

50.1023, 52.7115, 57.4028

## Achromatomaly

49.6876, 53.8375, 72.0628

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.0484, 56.6580, 102.0115 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(143, 205, 254)` looks like.

```
.text, #text, p{  
    color:rgb(143, 205, 254)  
}
```

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(143, 205, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 205, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 51.0484, 56.6580, 102.0115 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(143, 205, 254) }
```



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

```
.border{ border-color:rgb(143, 205, 254) }
```

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

Here you see how a box with a 4 pixel rgb(143, 205, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 205, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 205, 254);  
box-shadow:4px 4px 4px 4px rgb(143, 205,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.0484, 56.6580, 102.0115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 205, 254) }
```

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

```
.background{ background-color: rgb(143,  
205, 254) }
```

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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