

# Converting Colors

XYZ(88.0153, 74.1208,  
261.1926)

Have a look what the booklet for  
XYZ(88.0153, 74.1208, 261.1926)  
contains.

<b>XYZ(58.1099, 62.0838, 103.5284)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# **Color**

**XYZ(58.1099, 62.0838,  
103.5284)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACD2FF
RGB	172, 210, 255
RGB Percent	67%, 82%, 100%
CMY	0.3255, 0.1765, 0.0000
CMYK	0.33, 0.18, 0.00, 0.00
HSL	213°, 100%, 84%
HSV	213°, 33%, 100%
XYZ	58.1099, 62.0838, 103.5284
YIQ	203.7680, -37.0930, 5.9390

# Conversions

## Conversions Part 2

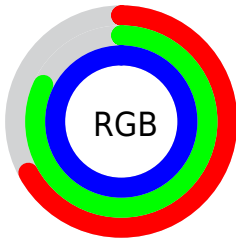
Format	Color
R <sub>Y</sub> B	172, 198, 255
Decimal	11326207
CIE Lab	82.96, -2.18, -26.05
CIE LCh	83, 26.140, 265.223
Yxy	62.0838, 0.2597, 0.2775
Android (android.graphics.Color)	4289516287 (0xFFACD2FF)
YUV	203.7680, 25.2574, -27.8605
Hunter-Lab	78.7933, -6.2448, -22.7473

# Details

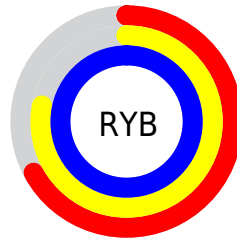
The XYZ color **58.1099, 62.0838, 103.5284** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.4998, 73.8646, 49.4153**, and the grayscale version is **57.1121, 60.0863, 65.4340**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **29.4176, 31.6361, 57.9820** is the 20% darker color. If you saturate the color by 10%, you get **49.7742, 52.9379, 102.2024**, and if you desaturate by 10%, it is **67.8178, 72.3777, 105.0037**.

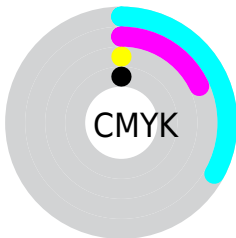
# Distribution



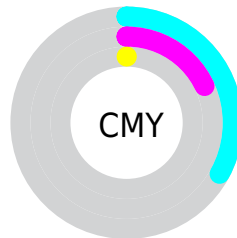
- Red (67%)
- Green (82%)
- Blue (100%)



- Red (67%)
- Yellow (78%)
- Blue (100%)



- Cyan (33%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (18%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.1099, 62.0838, 103.5284 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 58.1099, 62.0838, 103.5284 by changing the saturation by 10% instead.



■ 58.1099, 62.0838,  
103.5284

■ 58.1099, 62.0838,  
103.5284

407.5426,  
432.2367, 592.7898

■ 42.1406, 45.1004,  
78.6173

■ 101.2049,  
107.8466, 168.0916

■ 29.4030, 31.5365,  
58.0617

129.0614,  
137.3949, 208.5808

■ 19.5317, 21.0077,  
41.4432

161.6109,  
171.9002, 255.0998

■ 12.1614, 13.1297,  
28.3433

199.2189,  
211.7470, 308.0670

■ 6.9267, 7.5179,  
18.3433

242.2507,  
257.3196, 367.9011

■ 3.4622, 3.7880,  
11.0248

291.0717,

■ 1.4026, 1.5557,

309.0025, 435.0206

5.9691

346.0472,  
367.1801, 509.8439

■ 0.2581, 0.3275,  
2.7578

■ 0.0000, 0.0000,  
0.9723

■ 58.1099, 62.0838,  
103.5284

■ 58.1099, 62.0838,  
103.5284

■ 49.7742, 52.9379,  
102.2024

■ 67.8178, 72.3777,  
105.0037

■ 42.7363, 44.8863,  
101.0192

■ 78.9564, 83.8561,  
106.6321

■ 36.9224, 37.8810,  
99.9735

■ 91.5872, 96.5623,  
108.4190

■ 32.2483, 31.8666,  
99.0590

95.0500, 100.0000,  
108.9000

■ 28.6176, 26.7809,  
98.2687

■ 25.9151, 22.5514,  
97.5947

■ 24.3824, 19.8848,  
97.1608

# Harmonies

## Analogous

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



53.0346, 62.0838, 96.4650



58.1099, 62.0838, 103.5284



63.7536, 62.0838, 99.7821

# Triad

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



58.1099, 62.0838, 103.5284



69.3773, 62.0838, 55.2042



50.5389, 62.0838, 51.3804

# Complementary

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



58.1099, 62.0838, 103.5284



73.4998, 73.8646, 49.4153

# 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.



54.5054, 62.0838, 43.2068



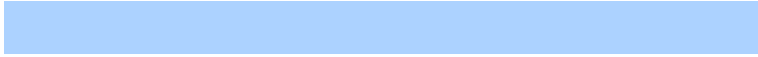
58.1099, 62.0838, 103.5284



65.4156, 62.0838, 45.1554

# Square

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



58.1099, 62.0838, 103.5284



70.4935, 62.0838, 70.2194



59.9169, 62.0838, 41.1233



48.8445, 62.0838, 65.0440



# Rectangle

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



58.1099, 62.0838, 103.5284



67.0496, 62.0838, 91.9294



59.9169, 62.0838, 41.1233



51.6380, 62.0838, 47.9912

# Sweetspot

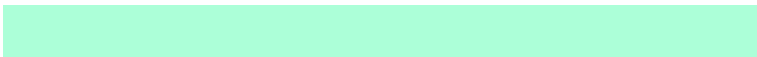
The Sweet Spot groups the original color and five complimentary colors.



58.1117, 62.0861, 103.5288



82.0301, 86.9747, 107.0721



65.2036, 85.2629, 78.1688



17.1923, 18.2458, 22.8656



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

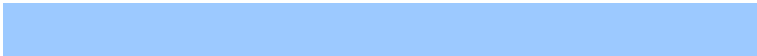


# Same Dimension

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



58.1117, 62.0861, 103.5288



52.5794, 56.0552, 102.6562



50.4311, 45.8141, 100.7927



17.6882, 18.7480, 22.9364



12.8855, 10.6806, 50.8170



1.3623, 1.2553, 4.9838



# Inverse Universe

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



67.6266, 55.4200, 68.1080



63.6055, 49.1071, 61.4359



83.4363, 95.2378, 53.0170



18.3553, 18.1254, 20.4880



23.2922, 11.8062, 10.1892

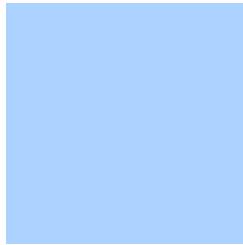


2.3222, 1.1713, 1.2783



# Previews

## White Background



This preview shows how the XYZ color 58.1099, 62.0838, 103.5284 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

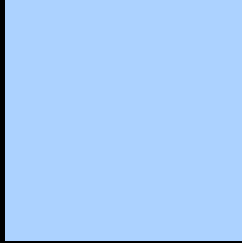
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.1099, 62.0838, 103.5284 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

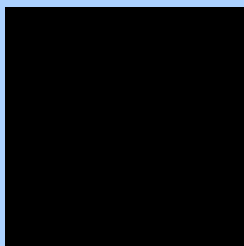
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

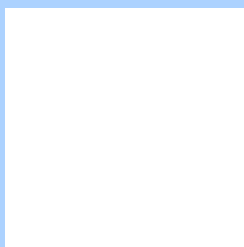
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 58.1099, 62.0838, 103.5284

## Background



This preview shows how black text looks on a background with the XYZ color 58.1099, 62.0838, 103.5284.



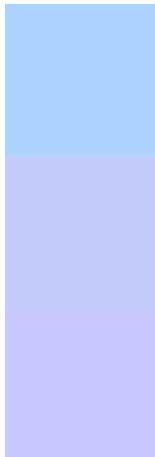
This preview shows how white text looks on a background with the XYZ color 58.1099, 62.0838,



# 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

58.1099, 62.0838, 103.5284

### Protanopia

61.7704, 61.8865, 99.9564

### Deuteranopia

62.9899, 61.7404, 103.2049



## **Tritanopia**

54.4067, 62.0781, 84.7160

# Trichromacy



## Original Color

58.1099, 62.0838, 103.5284

## Protanomaly

60.1355, 61.7357, 100.8422

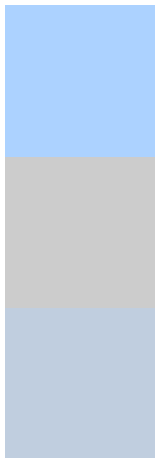
## Deuteranomaly

61.1165, 61.8298, 103.3209

## Tritanomaly

55.8846, 62.3148, 91.5206

# Monochromacy



## Original Color

58.1099, 62.0838, 103.5284

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

57.1288, 60.6768, 78.5128

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.1099, 62.0838, 103.5284 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(172, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 210, 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(172, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 210, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 58.1099, 62.0838, 103.5284 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(172, 210, 255) }
```



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

```
.border{ border-color:rgb(172, 210, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 210, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 210,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.1099, 62.0838, 103.5284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 210, 255) }
```

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

```
.background{ background-color: rgb(172,  
210, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor