

# Converting Colors

XYZ(55.7389, 59.8691, 82.7280)

Have a look what the booklet for  
XYZ(55.7389, 59.8691, 82.7280)  
contains.

<b>XYZ(55.7426, 59.8670, 82.7463)</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(55.7426, 59.8670,  
82.7463)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7CEE5
RGB	183, 206, 229
RGB Percent	72%, 81%, 90%
CMY	0.2823, 0.1921, 0.1020
CMYK	0.20, 0.10, 0.00, 0.10
HSL	210°, 47%, 81%
HSV	210°, 20%, 90%
XYZ	55.7426, 59.8670, 82.7463
YIQ	201.7450, -21.0910, 2.2770

# Conversions

## Conversions Part 2

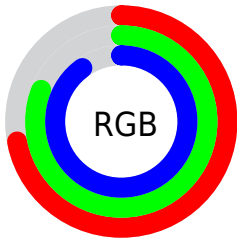
Format	Color
R <sub>Y</sub> B	183, 198, 229
Decimal	12046053
CIE Lab	81.77, -2.88, -13.95
CIE LCh	82, 14.245, 258.331
Yxy	59.8670, 0.2810, 0.3018
Android (android.graphics.Color)	4290236133 (0xFFB7CEE5)
YUV	201.7450, 13.4367, -16.4394
Hunter-Lab	77.3738, -6.8068, -9.2452

# Details

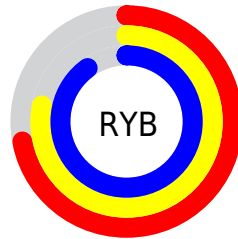
The XYZ color **55.7426, 59.8670, 82.7463** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.9323, 64.2197, 53.8799**, and the grayscale version is **55.9099, 58.8216, 64.0567**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **27.9215, 30.1796, 44.3980** is the 20% darker color. If you saturate the color by 10%, you get **48.0763, 51.9726, 81.6276**, and if you desaturate by 10%, it is **64.4995, 68.6247, 83.9762**.

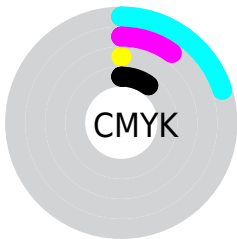
# Distribution



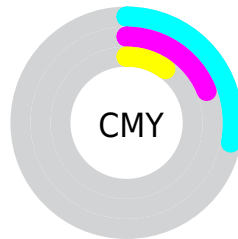
- Red (72%)
- Green (81%)
- Blue (90%)



- Red (72%)
- Yellow (78%)
- Blue (90%)



- Cyan (20%)
- Magenta (10%)
- Yellow (0%)
- Black (10%)



- Cyan (28%)
- Magenta (19%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.7426, 59.8670, 82.7463 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 55.7426, 59.8670, 82.7463 by changing the saturation by 10% instead.



■ 55.7426, 59.8670,  
82.7463

■ 55.7426, 59.8670,  
82.7463

398.8115,  
424.1074, 524.0895

■ 40.2328, 43.3114,  
61.4415

■ 97.7701, 104.6367,  
139.0661

■ 27.9051, 30.1296,  
44.1487

125.0185,  
133.6197, 174.9182

■ 18.3942, 19.9369,  
30.4494

156.9105,  
167.5138, 216.4565

■ 11.3348, 12.3492,  
19.9250

193.8114,  
206.7037, 264.0995

■ 6.3614, 6.9820,  
12.1570

236.0866,  
251.5736, 318.2658

■ 3.1088, 3.4508,  
6.7268

284.1015,

■ 1.2116, 1.3714,

302.5079, 379.3738

3.2160

338.2213,  
359.8910, 447.8422

■ 0.1155, 0.1955,  
1.2060

■ 0.0000, 0.0000,  
0.0000

■ 55.7426, 59.8670,  
82.7463

■ 55.7426, 59.8670,  
82.7463

■ 48.0763, 51.9726,  
81.6276

■ 64.4995, 68.6247,  
83.9762

■ 41.4482, 44.9035,  
80.6124

■ 74.3855, 78.2673,  
85.3163

■ 35.8092, 38.6297,  
79.6987

■ 85.4440, 88.8243,  
86.7712

■ 31.1041, 33.1158,  
78.8824

■ 90.1307, 96.4125,  
87.9888

■ 27.2715, 28.3231,  
78.1593

■ 91.1430, 98.4372,  
88.3263

■ 24.2418, 24.2086,  
77.5248

■ 21.9328, 20.7222,  
76.9735

■ 20.2183, 17.8077,  
76.5013

# Harmonies

## Analogous

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



53.1509, 59.8670, 78.3259



55.7426, 59.8670, 82.7463



58.7360, 59.8670, 82.1649

# Triad

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



55.7426, 59.8670, 82.7463



62.5572, 59.8670, 60.1243



52.6991, 59.8670, 54.8035

# Complementary

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



55.7426, 59.8670, 82.7463



62.9323, 64.2197, 53.8799

# 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.



55.1062, 59.8670, 50.7220



55.7426, 59.8670, 82.7463



60.8251, 59.8670, 53.6028

# Square

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



55.7426, 59.8670, 82.7463



62.7422, 59.8670, 68.5851



58.0769, 59.8670, 50.3027



51.4355, 59.8670, 61.8992



# Rectangle

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



55.7426, 59.8670, 82.7463



60.5562, 59.8670, 79.0274



58.0769, 59.8670, 50.3027



53.3974, 59.8670, 53.0614

# Sweetspot

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



55.7444, 59.8694, 82.7477



87.2515, 92.4291, 107.8497



58.5966, 70.5261, 68.4312



18.5007, 19.6126, 23.0605



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

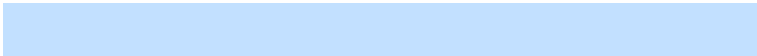


# Same Dimension

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



55.7444, 59.8694, 82.7477



67.0109, 72.1911, 105.0102



50.7647, 49.9100, 81.0877



14.1753, 15.0720, 18.3064



11.6801, 10.4224, 43.7793



0.9560, 0.9560, 3.2661



# Inverse Universe

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



60.3886, 54.9827, 65.8251



73.9966, 65.1583, 79.4847



68.6691, 75.6933, 55.7921



14.6761, 14.4876, 16.4946



20.2891, 10.2499, 10.4173

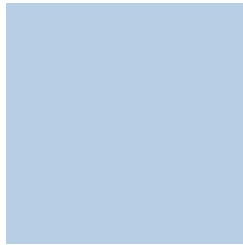


1.5462, 0.7762, 1.0167



# Previews

## White Background



This preview shows how the XYZ color 55.7426, 59.8670, 82.7463 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

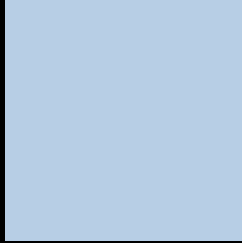
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.7426, 59.8670, 82.7463 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

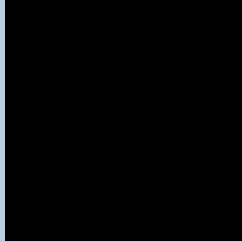
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

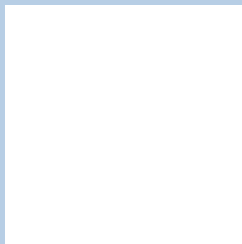
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 55.7426, 59.8670, 82.7463**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.7426, 59.8670, 82.7463.



This preview shows how white text looks on a background with the XYZ color 55.7426, 59.8670,



# 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

55.7426, 59.8670, 82.7463

### Protanopia

58.4335, 59.5436, 80.3648

### Deuteranopia

61.1962, 59.8593, 83.9299



## Tritanopia

54.9235, 59.8984, 78.4788

# Trichromacy



## Original Color

55.7426, 59.8670, 82.7463

## Protanomaly

57.4692, 59.7273, 81.1726

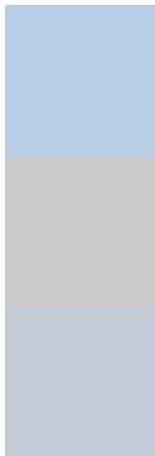
## Deuteranomaly

58.9890, 59.7658, 83.2898

## Tritanomaly

55.1948, 60.0070, 79.9076

# Monochromacy



## Original Color

55.7426, 59.8670, 82.7463

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

55.7453, 59.0674, 70.7504

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.7426, 59.8670, 82.7463 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(183, 206, 229)` looks like.

```
.text, #text, p{  
    color:rgb(183, 206, 229)  
}
```

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(183, 206, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 206, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 55.7426, 59.8670, 82.7463 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(183, 206, 229) }
```



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

```
.border{ border-color:rgb(183, 206, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 206, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 206, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 206, 229); box-shadow:4px 4px 4px 4px rgb(183, 206, 229) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.7426, 59.8670, 82.7463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 206, 229) }
```

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

```
.background{ background-color: rgb(183,  
206, 229) }
```

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