

# Converting Colors

XYZ(50.3674, 57.4765, 79.6634)

Have a look what the booklet for XYZ(50.3674, 57.4765, 79.6634) contains.

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# Color

**XYZ(50.4006, 57.5355,  
79.6832)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0CFE1
RGB	160, 207, 225
RGB Percent	63%, 81%, 88%
CMY	0.3725, 0.1882, 0.1176
CMYK	0.29, 0.08, 0.00, 0.12
HSL	197°, 52%, 75%
HSV	197°, 29%, 88%
XYZ	50.4006, 57.5355, 79.6832
YIQ	194.9990, -33.7900, -4.3660

# Conversions

## Conversions Part 2

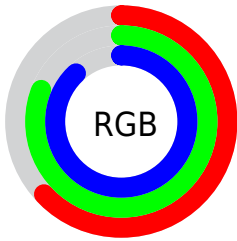
Format	Color
RYP	160, 187, 225
Decimal	10538977
CIELab	80.48, -11.16, -13.89
CIElCh	80, 17.815, 231.217
Yxy	57.5355, 0.2686, 0.3067
Android (android.graphics.Color)	4288729057 (0xFFA0CFE1)
YUV	194.9990, 14.7905, -30.6941
Hunter-Lab	75.8522, -14.1355, -9.1880

# Details

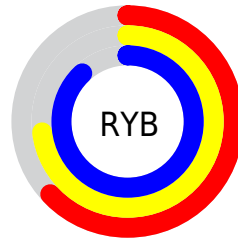
The XYZ color **50.4006, 57.5355, 79.6832** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.3175, 50.3867, 40.1744**, and the grayscale version is **51.8017, 54.4994, 59.3498**.

A 20% lighter version of the original color is **82.1289, 93.3389, 108.2953**, and **24.5908, 28.7489, 42.2832** is the 20% darker color. If you saturate the color by 10%, you get **44.8239, 52.4653, 78.9994**, and if you desaturate by 10%, it is **56.8543, 63.1491, 80.4275**.

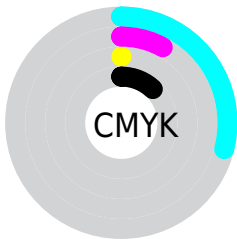
# Distribution



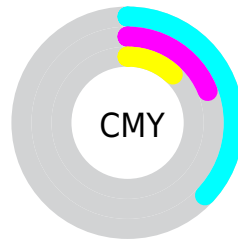
- Red (63%)
- Green (81%)
- Blue (88%)



- Red (63%)
- Yellow (73%)
- Blue (88%)



- Cyan (29%)
- Magenta (8%)
- Yellow (0%)
- Black (12%)




- Cyan (37%)
- Magenta (19%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4006, 57.5355, 79.6832 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 50.4006, 57.5355, 79.6832 by changing the saturation by 10% instead.




 50.4006, 57.5355,  
79.6832


 50.4006, 57.5355,  
79.6832


378.6566,  
415.4529, 513.5431

 35.9509, 41.4353,  
58.9331


 89.9564, 101.2461,  
134.7276

 24.5662, 28.6594,  
42.1396


 115.7932,  
129.6254, 169.8590

 15.8812, 18.8233,  
28.8842


146.1565,  
162.8665, 210.6211

 9.5304, 11.5427,  
18.7484

181.4115,  
201.3537, 257.4326

 5.1486, 6.4331,  
11.3137

221.9237,  
245.4716, 310.7121

 2.3704, 3.1102,  
6.1614

268.0584,

 0.8303, 1.1895,

295.6045, 370.8779

2.8731

320.1809,  
352.1368, 438.3488

■ 0.0000, 0.0531,  
1.0302

■ 0.0000, 0.0000,  
0.0000

■ 50.4006, 57.5355,  
79.6832

■ 50.4006, 57.5355,  
79.6832

■ 44.8239, 52.4653,  
78.9994

■ 56.8543, 63.1491,  
80.4275

■ 40.0745, 47.9075,  
78.3700

■ 64.2212, 69.3214,  
81.2306

■ 36.1052, 43.8384,  
77.7938

■ 72.5415, 76.0756,  
82.0958

■ 32.8619, 40.2289,  
77.2680

■ 81.8515, 83.4314,  
83.0249

■ 30.2831, 37.0462,  
76.7896

■ 85.4502, 87.9351,  
83.7046

■ 28.2961, 34.2518,  
76.3550

■ 87.2971, 91.6290,  
84.3202

■ 26.7894, 31.7871,  
75.9587

■ 89.2075, 95.4497,  
84.9570

■ 26.6350, 31.5248,  
75.9162

■ 90.5908, 98.2163,  
85.4181

# Harmonies

## Analogous

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



48.3922, 57.5355, 70.2168



50.4006, 57.5355, 79.6832



53.6196, 57.5355, 84.7183

# Triad

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



50.4006, 57.5355, 79.6832



61.9297, 57.5355, 65.7703



52.1815, 57.5355, 45.6936

# Complementary

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



50.4006, 57.5355, 79.6832



53.3175, 50.3867, 40.1744

# 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.



55.7659, 57.5355, 44.7854



50.4006, 57.5355, 79.6832



61.5027, 57.5355, 55.6406

# Square

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



50.4006, 57.5355, 79.6832



60.3494, 57.5355, 76.1187



59.2072, 57.5355, 48.2294



49.3880, 57.5355, 50.8656



# Rectangle

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



50.4006, 57.5355, 79.6832



56.0644, 57.5355, 84.5368



59.2072, 57.5355, 48.2294



53.3299, 57.5355, 44.9042

# Sweetspot

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



50.4023, 57.5378, 79.6845



85.1111, 91.9166, 107.8636



49.3926, 64.5127, 51.6195



17.8945, 19.4071, 23.0528



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

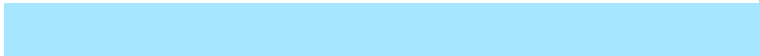


# Same Dimension

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



50.4023, 57.5378, 79.6845



62.1005, 72.0540, 105.2425



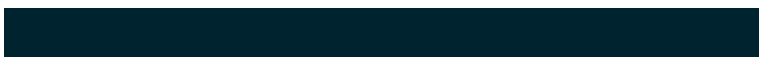
43.4514, 43.6360, 77.3675



13.7790, 14.8971, 17.5369



15.4509, 18.3713, 43.7800



1.1449, 1.4213, 3.0592



# Inverse Universe

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



54.8860, 45.6555, 64.9537



69.1542, 54.1710, 81.8863



60.4030, 64.5577, 42.5362



14.1247, 13.8675, 16.4266



21.7391, 10.7626, 21.0896

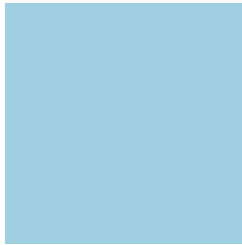


1.5441, 0.7609, 1.6583



# Previews

## White Background



This preview shows how the XYZ color 50.4006, 57.5355, 79.6832 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

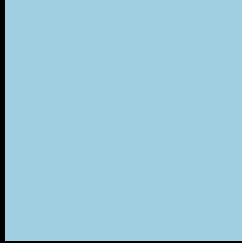
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.4006, 57.5355, 79.6832 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

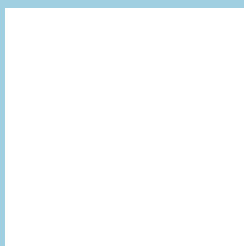
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 50.4006, 57.5355, 79.6832**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.4006, 57.5355, 79.6832.



This preview shows how white text looks on a background with the XYZ color 50.4006, 57.5355,



# 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

50.4006, 57.5355, 79.6832

### Protanopia

56.0062, 57.3730, 75.1401

### Deuteranopia

58.4722, 57.1641, 81.3508



## Tritanopia

50.2646, 57.4810, 78.9667

# Trichromacy



## Original Color

50.4006, 57.5355, 79.6832

## Protanomaly

53.7050, 57.1841, 76.6137

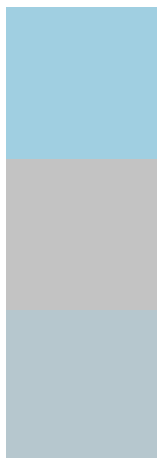
## Deuteranomaly

55.2748, 57.2117, 80.8027

## Tritanomaly

50.2646, 57.4810, 78.9667

# Monochromacy



## Original Color

50.4006, 57.5355, 79.6832

## Achromatopsia

51.8711, 54.5724, 59.4294

## Achromatomaly

50.8554, 55.2482, 66.3761

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.4006, 57.5355, 79.6832 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(160, 207, 225)` looks like.

```
.text, #text, p{  
    color:rgb(160, 207, 225)  
}
```

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(160, 207, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 207, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 50.4006, 57.5355, 79.6832 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(160, 207, 225) }
```



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

```
.border{ border-color:rgb(160, 207, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 207, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 207, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 207, 225);  
box-shadow:4px 4px 4px 4px rgb(160, 207,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.4006, 57.5355, 79.6832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 207, 225) }
```

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

```
.background{ background-color: rgb(160,  
207, 225) }
```

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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