

# Converting Colors

XYZ(49.1326, 60.1254, 80.4995)

Have a look what the booklet for  
XYZ(49.1326, 60.1254, 80.4995)  
contains.

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# Color

**XYZ(49.1310, 60.2107,  
80.2665)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DD8E1
RGB	141, 216, 225
RGB Percent	55%, 85%, 88%
CMY	0.4470, 0.1529, 0.1176
CMYK	0.37, 0.04, 0.00, 0.12
HSL	186°, 58%, 72%
HSV	186°, 37%, 88%
XYZ	49.1310, 60.2107, 80.2665
YIQ	194.6010, -47.5890, -13.1010

# Conversions

## Conversions Part 2

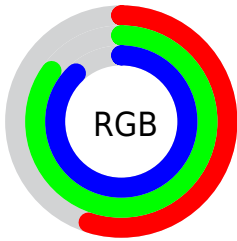
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 181, 225
Decimal	9296097
CIELab	81.95, -20.93, -11.79
CIELCh	82, 24.024, 209.382
Yxy	60.2107, 0.2591, 0.3176
Android (android.graphics.Color)	4287486177 (0xFF8DD8E1)
YUV	194.6010, 14.9867, -47.0081
Hunter-Lab	77.5956, -22.7718, -7.0140

# Details

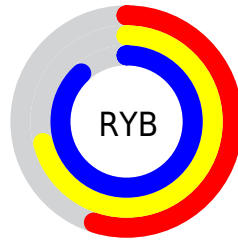
The XYZ color **49.1310, 60.2107, 80.2665** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.7664, 39.7441, 30.4073**, and the grayscale version is **51.5700, 54.2557, 59.0844**.

A 20% lighter version of the original color is **77.0987, 90.7458, 108.0599**, and **23.8383, 30.3705, 42.6359** is the 20% darker color. If you saturate the color by 10%, you get **45.0745, 57.2109, 79.9023**, and if you desaturate by 10%, it is **53.9774, 63.6340, 80.6729**.

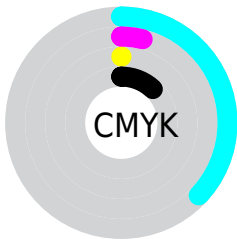
# Distribution



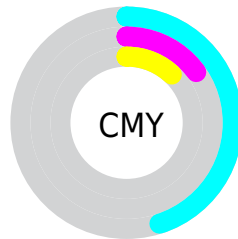
- Red (55%)
- Green (85%)
- Blue (88%)



- Red (55%)
- Yellow (71%)
- Blue (88%)



- Cyan (37%)
- Magenta (4%)
- Yellow (0%)
- Black (12%)




- Cyan (45%)
- Magenta (15%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1310, 60.2107, 80.2665 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 49.1310, 60.2107, 80.2665 by changing the saturation by 10% instead.





 49.1310, 60.2107,  
80.2665


 49.1310, 60.2107,  
80.2665


373.7662,  
425.3740, 515.5609

 34.9384, 43.5885,  
59.4102


 88.0855, 105.1353,  
135.5551

 23.7817, 30.3471,  
42.5213

 113.5782,  
134.2064, 170.8246

 15.2956, 20.1022,  
29.1810

143.5682,  
168.1959, 211.7355

 9.1148, 12.4694,  
18.9711

178.4209,  
207.4883, 258.7064

 4.8738, 7.0642,  
11.4728

218.5017,  
252.4679, 312.1559

 2.2074, 3.5023,  
6.2676

264.1760,

 0.7466, 1.3992,

303.5191, 372.5024

2.9371

315.8090,  
361.0264, 440.1646

■ 0.0000, 0.2162,  
1.0626

■ 0.0000, 0.0000,  
0.0000

■ 49.1310, 60.2107,  
80.2665

■ 49.1310, 60.2107,  
80.2665

■ 45.0745, 57.2109,  
79.9023

■ 53.9774, 63.6340,  
80.6729

■ 41.7549, 54.6031,  
79.5739

■ 59.6516, 67.4960,  
81.1193

■ 39.1216, 52.3623,  
79.2802

■ 66.1956, 71.8201,  
81.6090

■ 37.1151, 50.4579,  
79.0184

■ 73.6470, 76.6255,  
82.1438

■ 35.6653, 48.8537,  
78.7851

■ 82.0412, 81.9307,  
82.7253

■ 34.6794, 47.5019,  
78.5762

■ 83.2571, 83.5490,  
82.9736

■ 34.4541, 47.1629,  
78.5226

■ 83.9343, 84.9034,  
83.1994

■ 84.6208, 86.2764,  
83.4282

■ 85.3167, 87.6681,  
83.6601

# Harmonies

## Analogous

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



48.0051, 60.2107, 65.2579



49.1310, 60.2107, 80.2665



52.3957, 60.2107, 92.7046

# Triad

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



49.1310, 60.2107, 80.2665



66.0541, 60.2107, 80.8662



57.3339, 60.2107, 41.3735

# Complementary

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



49.1310, 60.2107, 80.2665



46.7664, 39.7441, 30.4073

# 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.



62.3496, 60.2107, 44.3090



49.1310, 60.2107, 80.2665



67.5634, 60.2107, 65.8615

# Square

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



49.1310, 60.2107, 80.2665



62.1566, 60.2107, 93.0854



66.1701, 60.2107, 52.7681



52.5680, 60.2107, 44.0770

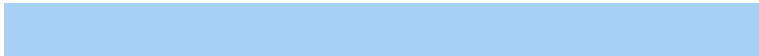


# Rectangle

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



49.1310, 60.2107, 80.2665



55.4472, 60.2107, 97.0825



66.1701, 60.2107, 52.7681



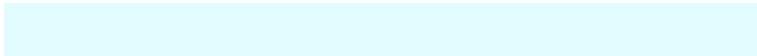
59.0475, 60.2107, 41.7258

# Sweetspot

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



49.1328, 60.2131, 80.2679



84.5217, 93.1607, 108.1348



43.3679, 61.6971, 38.2260



17.8352, 19.7714, 23.1262



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.



49.1328, 60.2131, 80.2679



60.8707, 76.7439, 106.2126



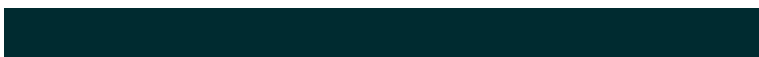
39.8288, 41.6050, 77.1665



13.9846, 15.3083, 17.6054



19.9059, 27.2813, 45.2650



1.4162, 1.9639, 3.1497



# Inverse Universe

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



52.9724, 40.0167, 69.9004



66.7883, 46.5428, 90.0267



54.5785, 55.3683, 33.0114



14.2284, 13.9090, 16.9732



23.9878, 11.6621, 32.9310

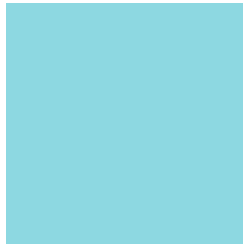


1.6811, 0.8157, 2.3794



# Previews

## White Background



This preview shows how the XYZ color 49.1310, 60.2107, 80.2665 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

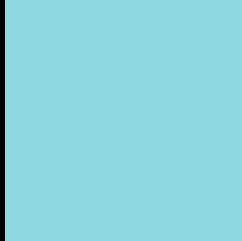
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.1310, 60.2107, 80.2665 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

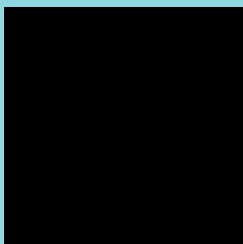
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

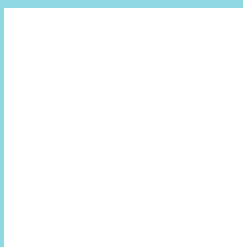
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 49.1310, 60.2107, 80.2665**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.1310, 60.2107, 80.2665.



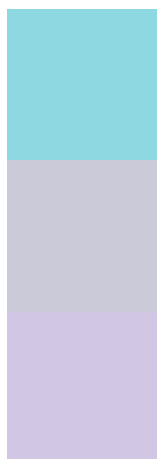
This preview shows how white text looks on a background with the XYZ color 49.1310, 60.2107,



# 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

49.1310, 60.2107, 80.2665

### Protanopia

58.1438, 59.8954, 73.4622

### Deuteranopia

60.9153, 59.7469, 82.4505



## Tritanopia

50.1936, 60.2667, 85.3311

# Trichromacy



**Original Color**

49.1310, 60.2107, 80.2665

**Protanomaly**

53.9214, 59.4434, 75.6496

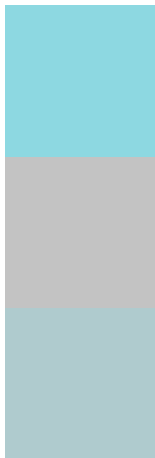
**Deuteranomaly**

55.8425, 59.5784, 81.9553

**Tritanomaly**

49.5986, 60.0088, 83.0975

# Monochromacy



**Original Color**

49.1310, 60.2107, 80.2665

**Achromatopsia**

51.8711, 54.5724, 59.4294

**Achromatomaly**

50.1757, 56.2821, 66.6115

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.1310, 60.2107, 80.2665 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(141, 216, 225)` looks like.

```
.text, #text, p{  
    color:rgb(141, 216, 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(141, 216, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 216, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 49.1310, 60.2107, 80.2665 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(141, 216, 225) }
```



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

```
.border{ border-color:rgb(141, 216, 225) }
```

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

Here you see how a box with a 4 pixel rgb(141, 216, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 216, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 216, 225);  
box-shadow:4px 4px 4px 4px rgb(141, 216,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.1310, 60.2107, 80.2665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 216, 225) }
```

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

```
.background{ background-color: rgb(141,  
216, 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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