

# Converting Colors

XYZ(47.3619, 57.6152, 59.7794)

Have a look what the booklet for  
XYZ(47.3619, 57.6152, 59.7794)  
contains.

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# Color

**XYZ(47.2814, 57.4618,  
59.6382)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0D2C2
RGB	160, 210, 194
RGB Percent	63%, 82%, 76%
CMY	0.3725, 0.1765, 0.2392
CMYK	0.24, 0.00, 0.08, 0.18
HSL	161°, 36%, 73%
HSV	161°, 24%, 82%
XYZ	47.2814, 57.4618, 59.6382
YIQ	193.2260, -24.6640, -15.5760

# Conversions

## Conversions Part 2

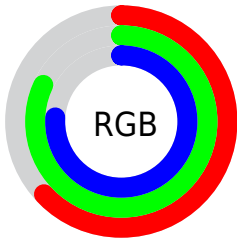
<b>Format</b>	<b>Color</b>
<b>RYB</b>	160, 190, 210
Decimal	10539714
CIELab	80.44, -19.51, 2.64
CIELCh	80, 19.686, 172.307
Yxy	57.4618, 0.2876, 0.3496
Android (android.graphics.Color)	4288729794 (0xFFA0D2C2)
YUV	193.2260, 0.3816, -29.1392
Hunter-Lab	75.8036, -21.3194, 6.4163

# Details

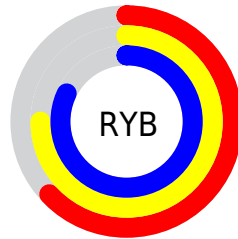
The XYZ color **47.2814, 57.4618, 59.6382** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.9876, 41.9793, 46.7030**, and the grayscale version is **50.8310, 53.4782, 58.2377**.

A 20% lighter version of the original color is **81.3342, 93.0211, 104.1106**, and **22.5184, 28.4619, 29.1178** is the 20% darker color. If you saturate the color by 10%, you get **42.6951, 55.1843, 55.5728**, and if you desaturate by 10%, it is **52.6142, 60.1233, 63.9193**.

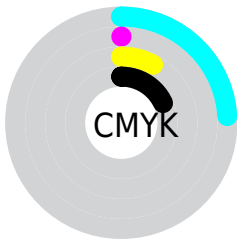
# Distribution



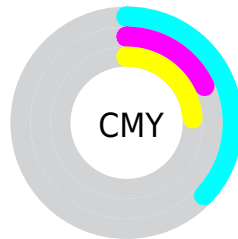
- Red (63%)
- Green (82%)
- Blue (76%)



- Red (63%)
- Yellow (75%)
- Blue (82%)



- Cyan (24%)
- Magenta (0%)
- Yellow (8%)
- Black (18%)




- Cyan (37%)
- Magenta (18%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2814, 57.4618, 59.6382 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 47.2814, 57.4618, 59.6382 by changing the saturation by 10% instead.





 47.2814, 57.4618,  
59.6382


 47.2814, 57.4618,  
59.6382

366.5668,  
415.1775, 441.0305

 33.4670, 41.3761,  
42.7037


 85.3497, 101.1387,  
105.8429

 22.6454, 28.6131,  
29.3230


 110.3344,  
129.4987, 135.9501

 14.4512, 18.7883,  
19.0776


139.7732,  
162.7190, 171.2854

 8.5189, 11.5174,  
11.5490

174.0315,  
201.1838, 212.2672

 4.4833, 6.4160,  
6.3186

213.4746,  
245.2777, 259.3140

 1.9790, 3.0996,  
2.9679

258.4680,

 0.6221, 1.1840,

295.3850, 312.8445

1.0782

309.3770,  
351.8902, 373.2771

■ 0.0000, 0.0486,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 47.2814, 57.4618,  
59.6382

■ 47.2814, 57.4618,  
59.6382

■ 42.6951, 55.1843,  
55.5728

■ 52.6142, 60.1233,  
63.9193

■ 38.8144, 53.2651,  
51.7150


■ 58.7223, 63.1789,  
68.4159


■ 35.6017, 51.6864,  
48.0621


■ 65.6387, 66.6472,  
73.1331


■ 33.0141, 50.4262,  
44.6096

■ 73.3930, 70.5434,  
78.0745

 31.0031, 49.4595,  
41.3527


 78.2366, 72.9349,  
83.0669


 29.5131, 48.7577,  
38.2862


 79.1860, 73.3146,  
88.0662

 28.4765, 48.2860,  
35.4045

 80.1720, 73.7090,  
93.2585

 27.9900, 48.0722,  
33.7088

 81.1951, 74.1183,  
98.6460

 82.2556, 74.5425,  
104.2307

# Harmonies

## Analogous

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



48.7029, 57.4618, 49.9386



47.2814, 57.4618, 59.6382



47.7469, 57.4618, 71.3857

# Triad

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



47.2814, 57.4618, 59.6382



57.6142, 57.4618, 85.4596



59.4988, 57.4618, 46.5776

# Complementary

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



47.2814, 57.4618, 59.6382



46.9876, 41.9793, 46.7030

# 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.



62.1135, 57.4618, 54.5046



47.2814, 57.4618, 59.6382



60.9887, 57.4618, 77.1609

# Square

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



47.2814, 57.4618, 59.6382



53.5836, 57.4618, 87.2733



62.6718, 57.4618, 65.5884



55.6610, 57.4618, 43.0266



# Rectangle

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



47.2814, 57.4618, 59.6382



49.0759, 57.4618, 78.7477



62.6718, 57.4618, 65.5884



60.5575, 57.4618, 48.7686

# Sweetspot

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



47.2830, 57.4642, 59.6395



87.8789, 96.4079, 103.8345



47.4492, 57.9417, 41.9416



18.6836, 20.5722, 22.1331



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

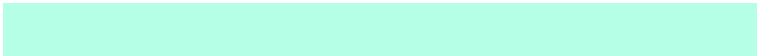


# Same Dimension

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



47.2830, 57.4642, 59.6395



69.2987, 87.1382, 89.0152



47.1743, 54.2137, 68.9535



11.9907, 13.3400, 14.3073



17.1203, 29.3411, 20.8116



0.9926, 1.6547, 1.3496



# Inverse Universe

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



46.9876, 41.9793, 46.7030



68.7593, 58.7222, 65.2891



46.9896, 44.3698, 39.3462



11.9624, 11.8697, 13.0780



16.8750, 8.6228, 4.2481

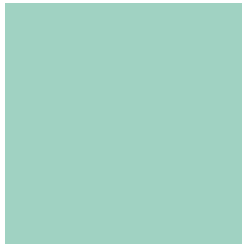


0.9795, 0.4965, 0.4269



# Previews

## White Background



This preview shows how the XYZ color 47.2814, 57.4618, 59.6382 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

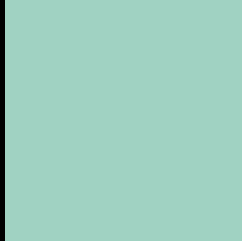
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.2814, 57.4618, 59.6382 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

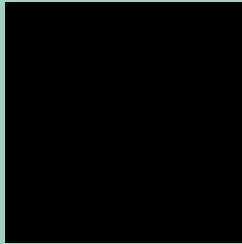
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

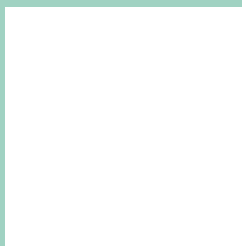
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 47.2814, 57.4618, 59.6382**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.2814, 57.4618, 59.6382.



This preview shows how white text looks on a background with the XYZ color 47.2814, 57.4618,

59.6382.

# 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

47.2814, 57.4618, 59.6382

### Protanopia

54.3406, 56.9552, 55.1431

### Deuteranopia

58.4764, 57.2772, 61.3996



## Tritanopia

50.9820, 57.5235, 77.5234

# Trichromacy



**Original Color**

47.2814, 57.4618, 59.6382

**Protanomaly**

51.4011, 56.7776, 56.9652

**Deuteranomaly**

53.7902, 56.8838, 60.9680

**Tritanomaly**

49.5063, 57.2716, 70.7326

# Monochromacy



**Original Color**

47.2814, 57.4618, 59.6382

**Achromatopsia**

50.6879, 53.3276, 58.0738

**Achromatomaly**

49.1051, 54.5209, 58.3875

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.2814, 57.4618, 59.6382 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, 210, 194)` looks like.

```
.text, #text, p{  
    color:rgb(160, 210, 194)  
}
```

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, 210, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 210, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 47.2814, 57.4618, 59.6382 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, 210, 194) }
```



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

```
.border{ border-color:rgb(160, 210, 194) }
```

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

Here you see how a box with a 4 pixel rgb(160, 210, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 210, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 210, 194);  
box-shadow:4px 4px 4px 4px rgb(160, 210,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.2814, 57.4618, 59.6382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 210, 194) }
```

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

```
.background{ background-color: rgb(160,  
210, 194) }
```

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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