

# Converting Colors

XYZ(47.5395, 58.8468, 62.2852)

Have a look what the booklet for  
XYZ(47.5395, 58.8468, 62.2852)  
contains.

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# Color

**XYZ(47.5660, 59.0404,  
62.3150)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AD6C6
RGB	154, 214, 198
RGB Percent	60%, 84%, 78%
CMY	0.3961, 0.1608, 0.2235
CMYK	0.28, 0.00, 0.07, 0.16
HSL	164°, 42%, 72%
HSV	164°, 28%, 84%
XYZ	47.5660, 59.0404, 62.3150
YIQ	194.2360, -30.6240, -17.6960

# Conversions

## Conversions Part 2

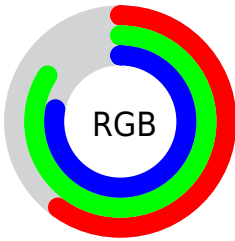
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 189, 214
Decimal	10147526
CIELab	81.31, -22.49, 1.73
CIElCh	81, 22.554, 175.597
Yxy	59.0404, 0.2816, 0.3495
Android (android.graphics.Color)	4288337606 (0xFF9AD6C6)
YUV	194.2360, 1.8557, -35.2870
Hunter-Lab	76.8378, -23.9666, 5.7026

# Details

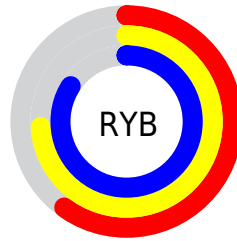
The XYZ color **47.5660, 59.0404, 62.3150** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.5449, 40.3111, 43.3602**, and the grayscale version is **51.4216, 54.0995, 58.9144**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **22.7990, 29.5766, 30.8928** is the 20% darker color. If you saturate the color by 10%, you get **43.2048, 56.8683, 58.7397**, and if you desaturate by 10%, it is **52.6815, 61.6016, 66.0577**.

# Distribution



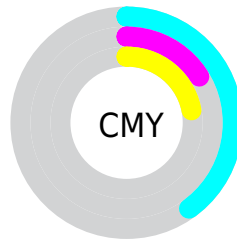
- Red (60%)
- Green (84%)
- Blue (78%)



- Red (60%)
- Yellow (74%)
- Blue (84%)



- Cyan (28%)
- Magenta (0%)
- Yellow (7%)
- Black (16%)



- Cyan (40%)
- Magenta (16%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5660, 59.0404, 62.3150 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 47.5660, 59.0404, 62.3150 by changing the saturation by 10% instead.



■ 47.5660, 59.0404,  
62.3150

■ 47.5660, 59.0404,  
62.3150

367.6806,  
421.0516, 451.1185

■ 33.6931, 42.6456,  
44.8498

■ 85.7715, 103.4364,  
109.7567

■ 22.8197, 29.6072,  
30.9971

■ 110.8348,  
132.2064, 140.5703

■ 14.5804, 19.5406,  
20.3382

140.3590,  
165.8703, 176.6704

■ 8.6098, 12.0616,  
12.4546

174.7095,  
204.8124, 218.4757

■ 4.5426, 6.7856,  
6.9278

214.2515,  
249.4172, 266.4046

■ 2.0135, 3.3284,  
3.3392

259.3504,

■ 0.6415, 1.3055,

300.0691, 320.8757

1.2703

310.3717,  
357.1524, 382.3075

■ 0.0000, 0.1454,  
0.0373

■ 0.0000, 0.0000,  
0.0000

■ 47.5660, 59.0404,  
62.3150

■ 47.5660, 59.0404,  
62.3150

■ 43.2048, 56.8683,  
58.7397

■ 52.6815, 61.6016,  
66.0577

■ 39.5540, 55.0580,  
55.3245

■ 58.5823, 64.5631,  
69.9667

■ 36.5728, 53.5902,  
52.0673

■ 65.3036, 67.9448,  
74.0464

■ 34.2143, 52.4406,  
48.9645

■ 72.8771, 71.7628,  
78.2997

■ 32.4250, 51.5817,  
46.0121

■ 79.0893, 74.8759,  
82.6241

■ 31.1423, 50.9812,  
43.2057

■ 79.8882, 75.1955,  
86.8315

■ 30.2760, 50.5927,  
40.5394

■ 80.7136, 75.5257,  
91.1776

■ 30.1274, 50.5272,  
40.0313

■ 81.5655, 75.8664,  
95.6637

■ 82.4442, 76.2179,  
100.2912

# Harmonies

## Analogous

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



48.9739, 59.0404, 50.7216



47.5660, 59.0404, 62.3150



48.3419, 59.0404, 76.1482

# Triad

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



47.5660, 59.0404, 62.3150



60.1185, 59.0404, 90.6141



61.3876, 59.0404, 45.1799

# Complementary

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



47.5660, 59.0404, 62.3150



46.5449, 40.3111, 43.3602

# 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.



64.6821, 59.0404, 53.7226



47.5660, 59.0404, 62.3150



63.9210, 59.0404, 80.0734

# Square

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



47.5660, 59.0404, 62.3150



55.4240, 59.0404, 93.7520



65.6340, 59.0404, 66.2960



56.8140, 59.0404, 41.7466



# Rectangle

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



47.5660, 59.0404, 62.3150



50.0177, 59.0404, 84.6418



65.6340, 59.0404, 66.2960



62.6912, 59.0404, 47.4855

# Sweetspot

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



47.5677, 59.0428, 62.3163



87.0753, 95.9887, 104.0189



46.6757, 59.0867, 39.5175



18.3359, 20.3939, 22.0718



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

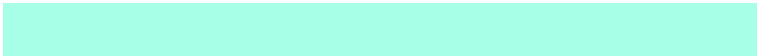


# Same Dimension

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



47.5677, 59.0428, 62.3163



66.5204, 85.6970, 89.2875



46.3525, 53.5005, 71.5048



12.6442, 14.0487, 15.2069



18.2544, 30.5571, 24.4333



1.1345, 1.8565, 1.6500



# Inverse Universe

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



46.5449, 40.3111, 43.3602



64.7487, 53.1564, 56.3823



47.3849, 44.2683, 36.6199



12.5579, 12.4747, 13.6122



17.2466, 8.8349, 3.3365

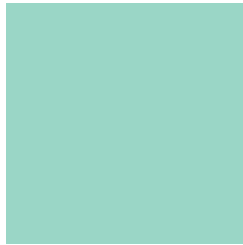


1.0747, 0.5467, 0.3828



# Previews

## White Background



This preview shows how the XYZ color 47.5660, 59.0404, 62.3150 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

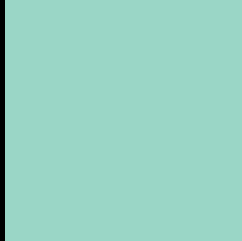
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.5660, 59.0404, 62.3150 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

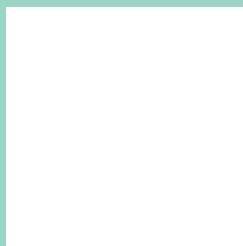
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 47.5660, 59.0404, 62.3150**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.5660, 59.0404, 62.3150.



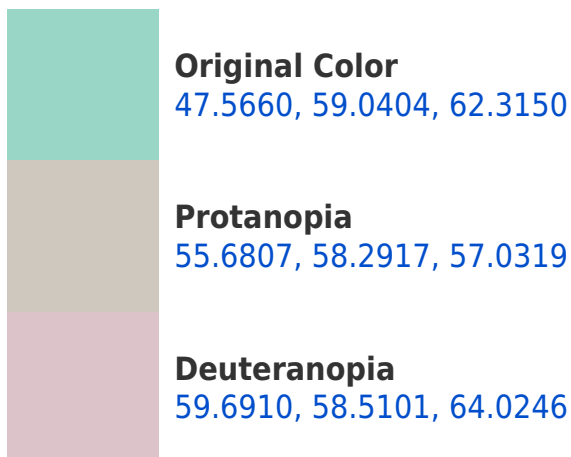
This preview shows how white text looks on a background with the XYZ color 47.5660, 59.0404,



# 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

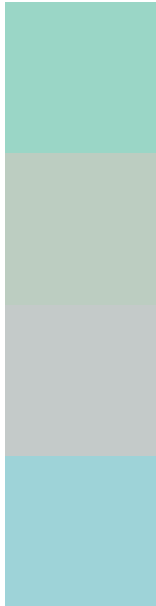




## Tritanopia

51.4089, 59.1128, 81.3734

# Trichromacy



## Original Color

47.5660, 59.0404, 62.3150

## Protanomaly

52.1960, 58.2043, 58.9356

## Deuteranomaly

54.4281, 58.1939, 63.6222

## Tritanomaly

49.7895, 58.8155, 73.6941

# Monochromacy



## Original Color

47.5660, 59.0404, 62.3150

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

49.3274, 55.2971, 59.7033

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.5660, 59.0404, 62.3150 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(154, 214, 198)` looks like.

```
.text, #text, p{  
    color:rgb(154, 214, 198)  
}
```

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(154, 214, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 214, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 47.5660, 59.0404, 62.3150 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(154, 214, 198) }
```



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

```
.border{ border-color:rgb(154, 214, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 214, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 214, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 214, 198); box-shadow:4px 4px 4px 4px rgb(154, 214, 198) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.5660, 59.0404, 62.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 214, 198) }
```

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

```
.background{ background-color: rgb(154,  
214, 198) }
```

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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