

# Converting Colors

XYZ(47.0352, 58.3421, 60.2890)

Have a look what the booklet for  
XYZ(47.0352, 58.3421, 60.2890)  
contains.

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# Color

**XYZ(47.1621, 58.4972,  
60.4351)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BD5C3
RGB	155, 213, 195
RGB Percent	61%, 84%, 76%
CMY	0.3921, 0.1647, 0.2353
CMYK	0.27, 0.00, 0.08, 0.16
HSL	161°, 41%, 72%
HSV	161°, 27%, 84%
XYZ	47.1621, 58.4972, 60.4351
YIQ	193.6060, -28.7900, -17.8940

# Conversions

## Conversions Part 2

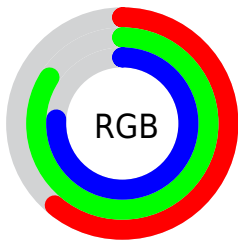
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 189, 213
Decimal	10212803
CIELab	81.01, -22.32, 2.90
CIElCh	81, 22.512, 172.592
Yxy	58.4972, 0.2839, 0.3522
Android (android.graphics.Color)	4288402883 (0xFF9BD5C3)
YUV	193.6060, 0.6872, -33.8575
Hunter-Lab	76.4835, -23.7774, 6.6891

# Details

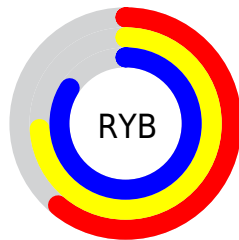
The XYZ color **47.1621, 58.4972, 60.4351** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.7067, 40.6074, 44.9138**, and the grayscale version is **51.0549, 53.7138, 58.4943**.

A 20% lighter version of the original color is **80.1947, 92.3972, 105.7032**, and **22.5141, 29.2016, 29.6492** is the 20% darker color. If you saturate the color by 10%, you get **42.6986, 56.2822, 56.4110**, and if you desaturate by 10%, it is **52.3831, 61.1020, 64.6700**.

# Distribution



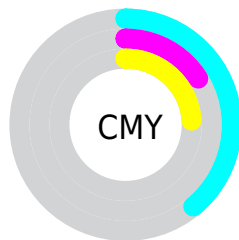
- Red (61%)
- Green (84%)
- Blue (76%)



- Red (61%)
- Yellow (74%)
- Blue (84%)



- Cyan (27%)
- Magenta (0%)
- Yellow (8%)
- Black (16%)




- Cyan (39%)
- Magenta (16%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1621, 58.4972, 60.4351 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 47.1621, 58.4972, 60.4351 by changing the saturation by 10% instead.





 47.1621, 58.4972,  
60.4351


 47.1621, 58.4972,  
60.4351


366.0993,  
419.0361, 444.0488

 33.3723, 42.2085,  
43.3418


 85.1728, 102.6465,  
107.0101

 22.5724, 29.2646,  
29.8200

 110.1244,  
131.2760, 137.3290

 14.3970, 19.2811,  
19.4511


139.5274,  
164.7878, 172.8934

 8.4809, 11.8735,  
11.8166

173.7470,  
203.5663, 214.1220

 4.4585, 6.6576,  
6.4979

213.1486,  
247.9960, 261.4333

 1.9647, 3.2489,  
3.0765

258.0977,

 0.6140, 1.2630,

298.4613, 315.2459

1.1338

308.9594,  
355.3465, 375.9782

■ 0.0000, 0.1123,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 47.1621, 58.4972,  
60.4351

■ 47.1621, 58.4972,  
60.4351

■ 42.6986, 56.2822,  
56.4110

■ 52.3831, 61.1020,  
64.6700

■ 38.9492, 54.4300,  
52.5896

■ 58.3922, 64.1076,  
69.1155

■ 35.8740, 52.9217,  
48.9681

■ 65.2242, 67.5335,  
73.7766

■ 33.4266, 51.7333,  
45.5420

■ 72.9104, 71.3959,  
78.6568

■ 31.5547, 50.8379,  
42.3066

■ 79.0469, 74.4553,  
83.6458

■ 30.1971, 50.2042,  
39.2566

■ 79.9829, 74.8297,  
88.5746

■ 29.2719, 49.7898,  
36.3856

■ 80.9544, 75.2183,  
93.6904

■ 29.0533, 49.6939,  
35.6200

■ 81.9617, 75.6212,  
98.9950

■ 83.0053, 76.0387,  
104.4904

# Harmonies

## Analogous

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



48.7677, 58.4972, 49.3134



47.1621, 58.4972, 60.4351



47.7146, 58.4972, 74.0929

# Triad

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



47.1621, 58.4972, 60.4351



59.1214, 58.4972, 90.5094



61.2351, 58.4972, 45.3718

# Complementary

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



47.1621, 58.4972, 60.4351



46.7067, 40.6074, 44.9138

# 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.



64.3092, 58.4972, 54.3158



47.1621, 58.4972, 60.4351



63.0420, 58.4972, 80.6281

# Square

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



47.1621, 58.4972, 60.4351



54.4501, 58.4972, 92.7508



64.9883, 58.4972, 67.0670



56.7656, 58.4972, 41.4434



# Rectangle

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



47.1621, 58.4972, 60.4351



49.2477, 58.4972, 82.7316



64.9883, 58.4972, 67.0670



62.4760, 58.4972, 47.8260

# Sweetspot

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



47.1637, 58.4996, 60.4364



86.9362, 95.9330, 103.2864



47.0272, 58.8837, 39.8982



18.3007, 20.3798, 21.8866



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

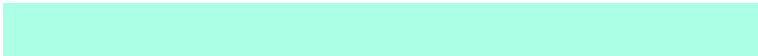


# Same Dimension

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



47.1637, 58.4996, 60.4364



66.6483, 85.8116, 87.0926



46.7363, 54.1882, 70.9497



12.6205, 14.0392, 15.0817



17.7940, 30.3730, 22.0088



1.1097, 1.8465, 1.5192



# Inverse Universe

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



46.7067, 40.6074, 44.9138



65.8490, 54.3590, 59.8261



46.9284, 43.6535, 36.9637



12.5804, 12.4837, 13.7307



17.4052, 8.8984, 4.1718

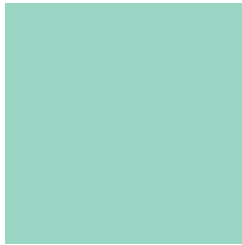


1.0866, 0.5514, 0.4455



# Previews

## White Background



This preview shows how the XYZ color 47.1621, 58.4972, 60.4351 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

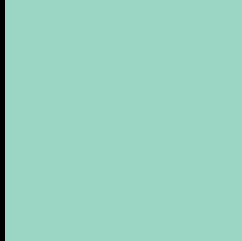
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.1621, 58.4972, 60.4351 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

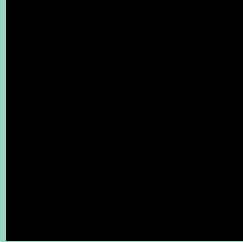
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.1621, 58.4972, 60.4351**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.1621, 58.4972, 60.4351.



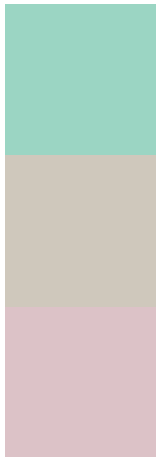
This preview shows how white text looks on a background with the XYZ color 47.1621, 58.4972,



# 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

47.1621, 58.4972, 60.4351

### Protanopia

55.4635, 58.2048, 55.8884

### Deuteranopia

59.1158, 57.9227, 62.0973



## Tritanopia

51.0890, 58.6142, 79.8552

# Trichromacy



## Original Color

47.1621, 58.4972, 60.4351

## Protanomaly

51.9743, 58.1156, 57.7683

## Deuteranomaly

53.8446, 57.5863, 61.7034

## Tritanomaly

49.4823, 58.3192, 72.2671

# Monochromacy



## Original Color

47.1621, 58.4972, 60.4351

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

49.4466, 55.3716, 59.1206

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.1621, 58.4972, 60.4351 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(155, 213, 195)` looks like.

```
.text, #text, p{  
    color:rgb(155, 213, 195)  
}
```

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(155, 213, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 213, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 47.1621, 58.4972, 60.4351 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(155, 213, 195) }
```



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

```
.border{ border-color:rgb(155, 213, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 213, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 213, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 213, 195); box-shadow:4px 4px 4px 4px rgb(155, 213, 195) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.1621, 58.4972, 60.4351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 213, 195) }
```

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

```
.background{ background-color: rgb(155,  
213, 195) }
```

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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