

# Converting Colors

XYZ(47.8762, 53.6044, 59.6740)

Have a look what the booklet for  
XYZ(47.8762, 53.6044, 59.6740)  
contains.

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# Color

**XYZ(47.7236, 53.4423,  
59.4298)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AFC6C3
RGB	175, 198, 195
RGB Percent	69%, 78%, 76%
CMY	0.3137, 0.2235, 0.2353
CMYK	0.12, 0.00, 0.02, 0.22
HSL	172°, 17%, 73%
HSV	172°, 12%, 78%
XYZ	47.7236, 53.4423, 59.4298
YIQ	190.7810, -12.7450, -5.8090

# Conversions

## Conversions Part 2

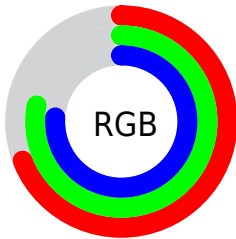
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 187, 198
Decimal	11519683
CIELab	78.14, -8.35, -1.14
CIElCh	78, 8.428, 187.808
Yxy	53.4423, 0.2972, 0.3328
Android (android.graphics.Color)	4289709763 (0xFFAFC6C3)
YUV	190.7810, 2.0800, -13.8399
Hunter-Lab	73.1042, -11.4048, 2.9734

# Details

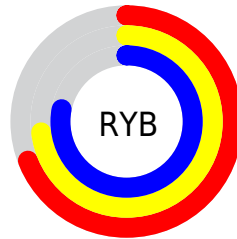
The XYZ color **47.7236, 53.4423, 59.4298** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.6565, 45.8815, 48.5189**, and the grayscale version is **49.3893, 51.9614, 56.5859**.

A 20% lighter version of the original color is **86.2857, 95.5372, 105.9882**, and **22.8070, 26.0072, 29.0171** is the 20% darker color. If you saturate the color by 10%, you get **43.3119, 51.2029, 57.7117**, and if you desaturate by 10%, it is **52.7950, 56.0241, 61.2074**.

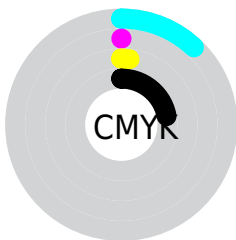
# Distribution



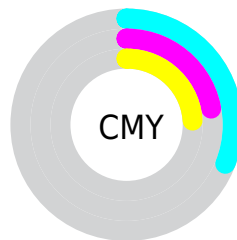
- Red (69%)
- Green (78%)
- Blue (76%)



- Red (69%)
- Yellow (73%)
- Blue (78%)



- Cyan (12%)
- Magenta (0%)
- Yellow (2%)
- Black (22%)



- Cyan (31%)
- Magenta (22%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7236, 53.4423, 59.4298 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 47.7236, 53.4423, 59.4298 by changing the saturation by 10% instead.



■ 47.7236, 53.4423,  
59.4298

■ 47.7236, 53.4423,  
59.4298

368.2963,  
399.9797, 440.2390

■ 33.8184, 38.1560,  
42.5369

■ 86.0049, 95.2549,  
105.5373

■ 22.9163, 26.1038,  
29.1932

111.1117,  
122.5499, 135.5891

■ 14.6521, 16.9013,  
18.9802

140.6831,  
154.6167, 170.8642

■ 8.6603, 10.1641,  
11.4793

175.0845,  
191.8395, 211.7812

■ 4.5756, 5.5079,  
6.2720

214.6811,  
234.6029, 258.7586

■ 2.0327, 2.5482,  
2.9397

259.8384,

■ 0.6522, 0.9007,

283.2911, 312.2150

1.0639

310.9217,  
338.2886, 372.5690

■ 0.0000, 0.0000,  
0.0000

■ 47.7236, 53.4423,  
59.4298

■ 47.7236, 53.4423,  
59.4298

■ 43.3119, 51.2029,  
57.7117

■ 52.7950, 56.0241,  
61.2074

■ 39.5272, 49.2847,  
56.0481

■ 58.5482, 58.9553,  
63.0424

■ 36.3406, 47.6743,  
54.4387

■ 65.0097, 62.2511,  
64.9372

■ 33.7191, 46.3546,  
52.8818

■ 72.2033, 65.9237,  
66.8930

■ 31.6269, 45.3072,  
51.3755

■ 72.8112, 66.2007,  
68.5676

■ 30.0236, 44.5113,  
49.9178

■ 73.1318, 66.3289,  
70.2558

■ 28.8631, 43.9431,  
48.5065

■ 73.4576, 66.4592,  
71.9714

■ 28.0905, 43.5742,  
47.1388

■ 73.7887, 66.5916,  
73.7146

■ 27.6563, 43.3747,  
46.0218

■ 74.1249, 66.7261,  
75.4855

# Harmonies

## Analogous

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



47.9206, 53.4423, 54.8325



47.7236, 53.4423, 59.4298



48.3354, 53.4423, 63.9252

# Triad

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



47.7236, 53.4423, 59.4298



52.7604, 53.4423, 65.6491



52.0002, 53.4423, 50.1934

# Complementary

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



47.7236, 53.4423, 59.4298



46.6565, 45.8815, 48.5189

# 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.



53.3372, 53.4423, 52.8077



47.7236, 53.4423, 59.4298



53.7827, 53.4423, 61.6810

# Square

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



47.7236, 53.4423, 59.4298



51.2265, 53.4423, 67.6402



53.9961, 53.4423, 56.9667



50.3665, 53.4423, 49.6630



# Rectangle

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



47.7236, 53.4423, 59.4298



49.1277, 53.4423, 66.2028



53.9961, 53.4423, 56.9667



52.5003, 53.4423, 50.8506

# Sweetspot

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



47.7251, 53.4445, 59.4310



92.1309, 98.5137, 107.9262



46.3090, 52.9585, 48.3395



19.5569, 21.0030, 23.0453



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

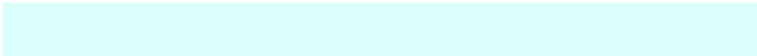


# Same Dimension

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



47.7251, 53.4445, 59.4310



82.3723, 93.5501, 104.4371



46.1936, 49.8325, 60.6128



10.8848, 12.0428, 13.3437



18.0072, 28.2153, 30.0463



0.8697, 1.3428, 1.5124



# Inverse Universe

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



46.6565, 45.8815, 48.5189



80.0991, 77.4594, 81.2226



48.0514, 49.1487, 47.5123



10.6893, 10.6591, 11.3471



15.2835, 7.8629, 1.4366



0.7427, 0.3799, 0.1680



# Previews

## White Background



This preview shows how the XYZ color 47.7236, 53.4423, 59.4298 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

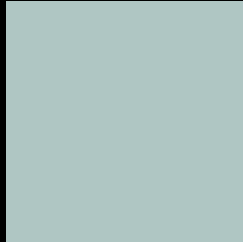
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.7236, 53.4423, 59.4298 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

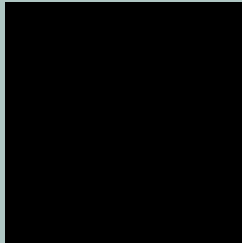
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.7236, 53.4423, 59.4298**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.7236, 53.4423, 59.4298.



This preview shows how white text looks on a background with the XYZ color 47.7236, 53.4423,



# 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

47.7236, 53.4423, 59.4298

### Protanopia

51.3900, 53.3754, 57.4631

### Deuteranopia

54.4267, 53.2735, 60.2375



## Tritanopia

49.8579, 53.6480, 69.3553

# Trichromacy



## Original Color

47.7236, 53.4423, 59.4298

## Protanomaly

49.9037, 53.2526, 58.1007

## Deuteranomaly

51.6206, 53.1174, 59.7565

## Tritanomaly

49.1172, 53.6874, 65.5316

# Monochromacy



## Original Color

47.7236, 53.4423, 59.4298

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

48.8138, 52.7036, 57.4692

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.7236, 53.4423, 59.4298 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(175, 198, 195)` looks like.

```
.text, #text, p{  
    color:rgb(175, 198, 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(175, 198, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 198, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 47.7236, 53.4423, 59.4298 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(175, 198, 195) }
```



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

```
.border{ border-color:rgb(175, 198, 195) }
```

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

Here you see how a box with a 4 pixel rgb(175, 198, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 198, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 198, 195);  
box-shadow:4px 4px 4px 4px rgb(175, 198,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.7236, 53.4423, 59.4298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 198, 195) }
```

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

```
.background{ background-color: rgb(175,  
198, 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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