

Converting Colors

XYZ(49.5638, 59.5494, 50.0178)

Have a look what the booklet for
XYZ(49.5638, 59.5494, 50.0178)
contains.

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Color

**XYZ(49.5114, 59.5687,
49.9627)**

Conversions

Conversions Part 1

Format	Color
Hex	B1D4B0
RGB	177, 212, 176
RGB Percent	69%, 83%, 69%
CMY	0.3059, 0.1686, 0.3098
CMYK	0.17, 0.00, 0.17, 0.17
HSL	118°, 30%, 76%
HSV	118°, 17%, 83%
XYZ	49.5114, 59.5687, 49.9627
YIQ	197.4310, -9.3040, -18.6160

Conversions

Conversions Part 2

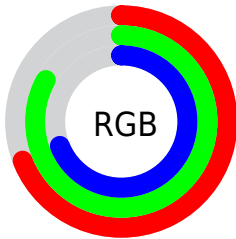
Format	Color
RYB	176, 212, 211
Decimal	11654320
CIELab	81.60, -18.40, 14.02
CIElCh	82, 23.129, 142.688
Yxy	59.5687, 0.3113, 0.3745
Android (android.graphics.Color)	4289844400 (0xFFB1D4B0)
YUV	197.4310, -10.5655, -17.9180
Hunter-Lab	77.1808, -20.5587, 15.6454

Details

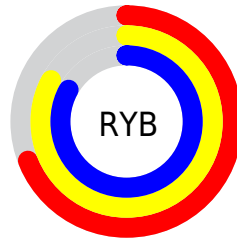
The XYZ color **49.5114, 59.5687, 49.9627** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.2755, 49.6548, 69.0142**, and the grayscale version is **53.3988, 56.1797, 61.1796**.

A 20% lighter version of the original color is **83.9298, 94.6698, 90.1935**, and **23.9443, 29.8291, 23.2345** is the 20% darker color. If you saturate the color by 10%, you get **43.2301, 56.5560, 39.5609**, and if you desaturate by 10%, it is **56.8328, 63.0831, 62.1258**.

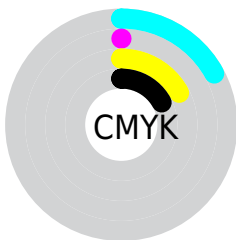
Distribution



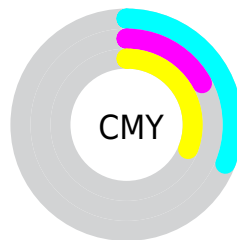
- Red (69%)
- Green (83%)
- Blue (69%)



- Red (69%)
- Yellow (83%)
- Blue (83%)



- Cyan (17%)
- Magenta (0%)
- Yellow (17%)
- Black (17%)



- Cyan (31%)
- Magenta (17%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5114, 59.5687, 49.9627 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 49.5114, 59.5687, 49.9627 by changing the saturation by 10% instead.

■ 49.5114, 59.5687,
49.9627

■ 49.5114, 59.5687,
49.9627

375.2358,
423.0062, 403.2509

■ 35.2415, 43.0711,
35.0128

■ 88.6467, 104.2038,
91.5153

■ 24.0164, 29.9409,
23.3891

114.2428,
133.1100, 118.9552

■ 15.4706, 19.7937,
14.6731

144.3451,
166.9212, 151.3954

■ 9.2388, 12.2452,
8.4462

179.3188,
206.0219, 189.2545

■ 4.9556, 6.9109,
4.2899

219.5294,
250.7963, 232.9510

■ 2.2557, 3.4064,
1.7857

265.3422,

■ 0.7719, 1.3474,

301.6289, 282.9036

0.4185

317.1225,
358.9040, 339.5307

■ 0.0000, 0.1775,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.5114, 59.5687,
49.9627

■ 49.5114, 59.5687,
49.9627

■ 43.2301, 56.5560,
39.5609

■ 56.8328, 63.0831,
62.1258

■ 37.9371, 54.0150,
30.8350

■ 65.2332, 67.1126,
76.1222

■ 33.5835, 51.9242,
23.6987

■ 74.7557, 71.6795,
92.0249

■ 30.1146, 50.2571,
18.0562

■ 82.8347, 75.5694,
104.8282

■ 27.4696, 48.9850,
13.8015

■ 25.5803, 48.0752,
10.8148

■ 24.3677, 47.4900,
8.9558

■ 23.7328, 47.1823,
8.0400

■ 23.6183, 47.1273,
7.8517

Harmonies

Analogous

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



53.0924, 59.5687, 43.1830



49.5114, 59.5687, 49.9627



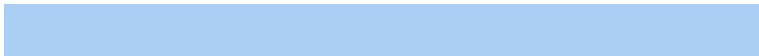
47.8522, 59.5687, 61.5157

Triad

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



49.5114, 59.5687, 49.9627



55.4381, 59.5687, 95.1661



65.6780, 59.5687, 55.0822

Complementary

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



49.5114, 59.5687, 49.9627



54.2755, 49.6548, 69.0142

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.



66.3945, 59.5687, 68.3238



49.5114, 59.5687, 49.9627



60.2969, 59.5687, 92.7948

Square

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



49.5114, 59.5687, 49.9627



51.1446, 59.5687, 88.5400



64.3746, 59.5687, 82.4587



62.4692, 59.5687, 45.8305

Rectangle

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



49.5114, 59.5687, 49.9627



47.9882, 59.5687, 70.9132



64.3746, 59.5687, 82.4587



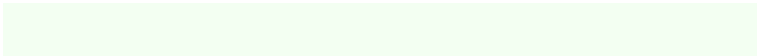
66.2255, 59.5687, 59.1619

Sweetspot

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



49.5130, 59.5712, 49.9640



88.6502, 96.9301, 98.2384



58.2352, 63.6240, 50.2866



18.7895, 20.6582, 20.7187



0.0000, 0.0000, 0.0000



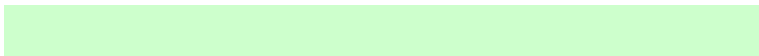
20.3446, 21.4041, 23.3091

Same Dimension

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



49.5130, 59.5712, 49.9640



71.9507, 88.9179, 70.4974



51.0533, 60.1611, 59.2585



12.2940, 13.9122, 13.1981



14.5939, 29.0998, 4.8476



0.8917, 1.7611, 0.2929

Inverse Universe

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



54.2755, 49.6548, 69.0142



80.3641, 71.3983, 104.1533



52.5518, 48.9985, 58.4383



12.9174, 12.6143, 15.6915



23.0851, 11.0533, 39.3699



1.4034, 0.6723, 2.3751

Previews

White Background



This preview shows how the XYZ color 49.5114, 59.5687, 49.9627 looks on a white background.

Color Contrast Check

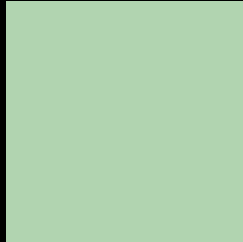
Large Text (above 18pt) WCAG AA × Fail

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 49.5114, 59.5687, 49.9627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

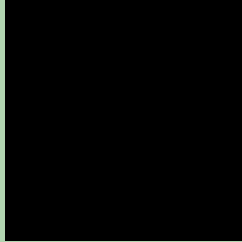
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5114, 59.5687, 49.9627

Background



This preview shows how black text looks on a background with the XYZ color 49.5114, 59.5687, 49.9627.



This preview shows how white text looks on a background with the XYZ color 49.5114, 59.5687,

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

49.5114, 59.5687, 49.9627

Protanopia

55.9118, 59.3275, 47.0326

Deuteranopia

60.3865, 59.1485, 51.4141



Tritanopia

55.2637, 59.7308, 77.7237

Trichromacy



Original Color

49.5114, 59.5687, 49.9627

Protanomaly

53.4335, 59.4391, 48.1918

Deuteranomaly

55.8873, 58.8768, 51.0666

Tritanomaly

52.8667, 59.4646, 66.4491

Monochromacy



Original Color

49.5114, 59.5687, 49.9627

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.5410, 56.8623, 56.4031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5114, 59.5687, 49.9627 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(177, 212, 176)` looks like.

```
.text, #text, p{  
    color:rgb(177, 212, 176)  
}
```

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(177, 212, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 212, 176) }
```

Border

The CSS property to change the border of an element to XYZ 49.5114, 59.5687, 49.9627 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(177, 212, 176) }
```


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

```
.border{ border-color:rgb(177, 212, 176) }
```

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

Here you see how a box with a 4 pixel rgb(177, 212, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 212, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 212, 176);  
box-shadow:4px 4px 4px 4px rgb(177, 212,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5114, 59.5687, 49.9627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 212, 176) }
```

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

```
.background{ background-color: rgb(177,  
212, 176) }
```

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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