

Converting Colors

XYZ(49.1210, 59.4804, 38.1704)

Have a look what the booklet for
XYZ(49.1210, 59.4804, 38.1704)
contains.

XYZ(49.1370, 59.6356, 38.1992)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.1370, 59.6356,
38.1992)**

Conversions

Conversions Part 1

Format	Color
Hex	B9D497
RGB	185, 212, 151
RGB Percent	73%, 83%, 59%
CMY	0.2745, 0.1686, 0.4078
CMYK	0.13, 0.00, 0.29, 0.17
HSL	87°, 42%, 71%
HSV	87°, 29%, 83%
XYZ	49.1370, 59.6356, 38.1992
YIQ	196.9730, 3.4890, -24.6950

Conversions

Conversions Part 2

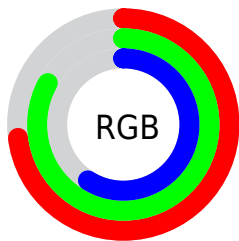
Format	Color
RYB	151, 212, 178
Decimal	12178583
CIELab	81.64, -19.57, 27.29
CIELCh	82, 33.579, 125.646
Yxy	59.6356, 0.3343, 0.4058
Android (android.graphics.Color)	4290368663 (0xFFB9D497)
YUV	196.9730, -22.6647, -10.5003
Hunter-Lab	77.2241, -21.5642, 24.7288

Details

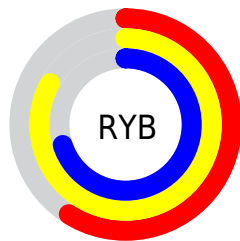
The XYZ color **49.1370, 59.6356, 38.1992** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.3128, 36.3533, 67.1300**, and the grayscale version is **53.1870, 55.9569, 60.9370**.

A 20% lighter version of the original color is **83.5185, 94.8535, 72.2992**, and **23.7173, 29.8593, 16.5700** is the 20% darker color. If you saturate the color by 10%, you get **45.3784, 57.8812, 29.8298**, and if you desaturate by 10%, it is **53.3578, 61.5962, 48.2088**.

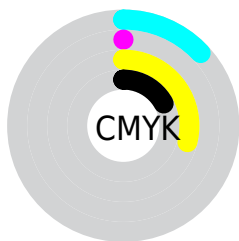
Distribution



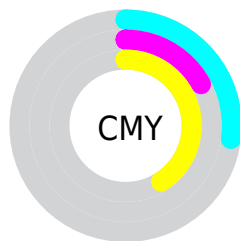
- Red (73%)
- Green (83%)
- Blue (59%)



- Red (59%)
- Yellow (83%)
- Blue (70%)



- Cyan (13%)
- Magenta (0%)
- Yellow (29%)
- Black (17%)



- Cyan (27%)
- Magenta (17%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1370, 59.6356, 38.1992 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 49.1370, 59.6356, 38.1992 by changing the saturation by 10% instead.

■ 49.1370, 59.6356,
38.1992

■ 49.1370, 59.6356,
38.1992

373.7894,
423.2533, 353.7975

■ 34.9432, 43.1250,
25.8343

■ 88.0944, 104.3009,
73.6202

■ 23.7854, 29.9832,
16.4751

■ 113.5886,
133.2243, 97.5133

■ 15.2984, 19.8258,
9.7030

143.5804,
167.0542, 126.0863

■ 9.1167, 12.2685,
5.0994

178.4351,
206.1748, 159.7576

■ 4.8751, 6.9268,
2.2460

218.5179,
250.9707, 198.9459

■ 2.2082, 3.4164,
0.7007

264.1944,

■ 0.7470, 1.3528,

301.8261, 244.0696

0.0000

315.8298,
359.1255, 295.5473

■ 0.0000, 0.1815,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.1370, 59.6356,
38.1992

■ 49.1370, 59.6356,
38.1992

■ 45.3784, 57.8812,
29.8298

■ 53.3578, 61.5962,
48.2088

■ 42.0579, 56.3169,
23.0092

■ 58.0543, 63.7626,
59.9358

■ 39.1560, 54.9367,
17.6430

■ 63.2452, 66.1447,
73.4570

■ 36.6495, 53.7309,
13.6247

■ 68.9465, 68.7492,
88.8437

■ 34.5122, 52.6887,
10.8335

■ 74.8490, 71.4526,
104.4545

■ 32.7140, 51.7975,
9.1270

■ 77.9762, 73.0647,
104.6009

■ 31.2089, 51.0388,
8.2812

■ 81.2684, 74.7620,
104.7549

■ 31.0372, 50.9519,
8.1989

■ 82.8347, 75.5694,
104.8282

Harmonies

Analogous

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



55.3574, 59.6356, 33.4332



49.1370, 59.6356, 38.1992



45.1984, 59.6356, 50.1920

Triad

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



49.1370, 59.6356, 38.1992



51.2692, 59.6356, 107.1536



71.2838, 59.6356, 61.1846

Complementary

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



49.1370, 59.6356, 38.1992



41.3128, 36.3533, 67.1300

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.



69.9621, 59.6356, 82.3100



49.1370, 59.6356, 38.1992



58.0272, 59.6356, 111.7837

Square

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



49.1370, 59.6356, 38.1992



46.3560, 59.6356, 90.3118



64.9620, 59.6356, 101.9031



68.4374, 59.6356, 44.8189

Rectangle

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



49.1370, 59.6356, 38.1992



44.2014, 59.6356, 62.0279



64.9620, 59.6356, 101.9031



71.3149, 59.6356, 67.9275

Sweetspot

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



49.1385, 59.6382, 38.2005



87.9332, 96.7329, 90.4179



48.5474, 47.8493, 35.9561



18.5876, 20.5972, 18.7594



0.0000, 0.0000, 0.0000



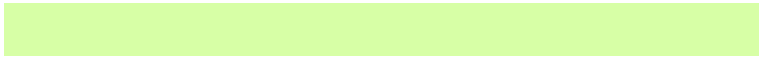
20.3446, 21.4041, 23.3091

Same Dimension

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



49.1385, 59.6382, 38.2005



70.7889, 88.7856, 49.3626



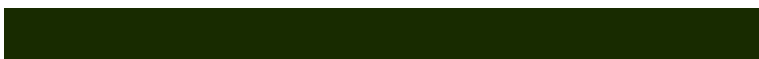
42.6616, 56.2992, 37.8974



12.9177, 14.2338, 13.2273



19.2768, 31.5139, 5.0668



1.2572, 1.9495, 0.3100

Inverse Universe

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



41.3128, 36.3533, 67.1300



56.8890, 47.4175, 100.7619



48.9462, 40.2885, 67.4873



12.2592, 12.2750, 15.6607



10.2876, 4.4560, 38.7710



0.7148, 0.3174, 2.3429

Previews

White Background



This preview shows how the XYZ color 49.1370, 59.6356, 38.1992 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 49.1370, 59.6356, 38.1992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

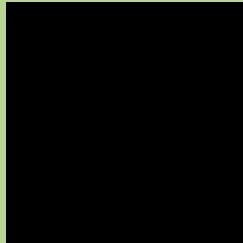
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1370, 59.6356, 38.1992

Background



This preview shows how black text looks on a background with the XYZ color 49.1370, 59.6356, 38.1992.



This preview shows how white text looks on a background with the XYZ color 49.1370, 59.6356,

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

49.1370, 59.6356, 38.1992

Protanopia

55.3004, 59.2531, 36.1261

Deuteranopia

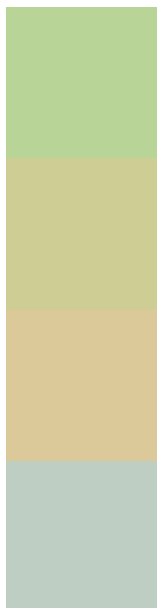
60.4681, 59.1273, 39.2360



Tritanopia

56.6478, 59.4284, 75.5030

Trichromacy



Original Color

49.1370, 59.6356, 38.1992

Protanomaly

52.8702, 59.4025, 36.6963

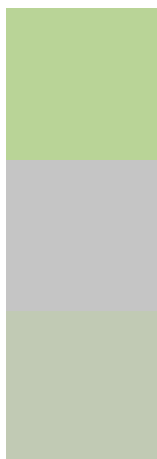
Deuteranomaly

55.9328, 59.1665, 39.0441

Tritanomaly

53.2948, 59.1140, 59.6401

Monochromacy



Original Color

49.1370, 59.6356, 38.1992

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.3511, 56.8738, 51.4513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1370, 59.6356, 38.1992 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(185, 212, 151)` looks like.

```
.text, #text, p{  
    color:rgb(185, 212, 151)  
}
```

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(185, 212, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 212, 151) }
```

Border

The CSS property to change the border of an element to XYZ 49.1370, 59.6356, 38.1992 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(185, 212, 151) }
```


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

```
.border{ border-color:rgb(185, 212, 151) }
```

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

Here you see how a box with a 4 pixel rgb(185, 212, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 212, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 212, 151);  
box-shadow:4px 4px 4px 4px rgb(185, 212,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1370, 59.6356, 38.1992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 212, 151) }
```

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

```
.background{ background-color: rgb(185,  
212, 151) }
```

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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