

Converting Colors

XYZ(49.5893, 59.1994, 44.9241)

Have a look what the booklet for
XYZ(49.5893, 59.1994, 44.9241)
contains.

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Color

**XYZ(49.7056, 59.4090,
44.9237)**

Conversions

Conversions Part 1

Format	Color
Hex	B7D3A6
RGB	183, 211, 166
RGB Percent	72%, 83%, 65%
CMY	0.2824, 0.1725, 0.3490
CMYK	0.13, 0.00, 0.21, 0.17
HSL	97°, 34%, 74%
HSV	97°, 21%, 83%
XYZ	49.7056, 59.4090, 44.9237
YIQ	197.4980, -2.2430, -19.9310

Conversions

Conversions Part 2

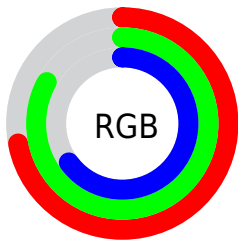
Format	Color
R_{YB}	166, 211, 194
Decimal	12047270
CIE _{Lab}	81.52, -17.49, 19.24
CIE _{LCh}	82, 26.004, 132.278
Yxy	59.4090, 0.3227, 0.3857
Android (android.graphics.Color)	4290237350 (0xFFB7D3A6)
YUV	197.4980, -15.5285, -12.7147
Hunter-Lab	77.0772, -19.7740, 19.3975

Details

The XYZ color **49.7056, 59.4090, 44.9237** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.6447, 43.4466, 67.5061**, and the grayscale version is **53.4654, 56.2498, 61.2560**.

A 20% lighter version of the original color is **84.4077, 95.0912, 82.3123**, and **24.1317, 29.7377, 20.3877** is the 20% darker color. If you saturate the color by 10%, you get **44.9482, 57.1639, 35.4129**, and if you desaturate by 10%, it is **55.0751, 61.9365, 56.1233**.

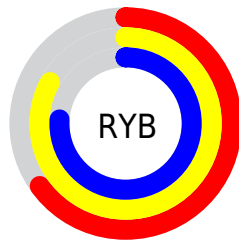
Distribution



Red (72%)

Green (83%)

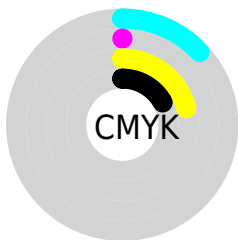
Blue (65%)



Red (65%)

Yellow (83%)

Blue (76%)

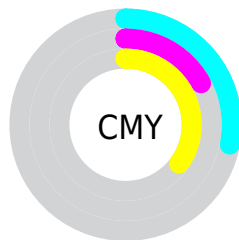


Cyan (13%)

Magenta (0%)

Yellow (21%)

Black (17%)



Cyan (28%)


Magenta (17%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7056, 59.4090, 44.9237 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 49.7056, 59.4090, 44.9237 by changing the saturation by 10% instead.


 49.7056, 59.4090,
44.9237


 49.7056, 59.4090,
44.9237


375.9846,
422.4159, 382.6156

 35.3964, 42.9425,
31.0548


 88.9330, 103.9719,
83.9231

 24.1363, 29.8400,
20.3818


 114.5818,
132.8370, 109.8908

 15.5600, 19.7171,
12.4860


144.7412,
166.6037, 140.7284

 9.3022, 12.1896,
6.9491

179.7766,
205.6565, 176.8546

 4.9975, 6.8729,
3.3523

220.0533,
250.3797, 218.6879

 2.2806, 3.3828,
1.2772

265.9366,

 0.7847, 1.3347,

301.1578, 266.6468

0.0430

317.7919,
358.3750, 321.1498

■ 0.0000, 0.1678,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.7056, 59.4090,
44.9237

■ 49.7056, 59.4090,
44.9237

■ 44.9482, 57.1639,
35.4129

■ 55.0751, 61.9365,
56.1233

■ 40.7749, 55.1831,
27.5052

■ 61.0741, 64.7485,
69.0842

■ 37.1622, 53.4584,
21.1131

■ 67.7250, 67.8566,
83.8791

■ 34.0829, 51.9779,
16.1394

■ 75.0477, 71.2696,
100.5757

■ 31.5075, 50.7287,
12.4755

■ 80.2885, 73.8868,
104.6377

■ 29.4027, 49.6963,
9.9970

■ 82.5855, 75.0710,
104.7452

■ 27.7302, 48.8643,
8.5554

■ 26.5786, 48.2835,
7.9188

Harmonies

Analogous

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



54.2670, 59.4090, 39.5678



49.7056, 59.4090, 44.9237



47.0605, 59.4090, 55.9736

Triad

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



49.7056, 59.4090, 44.9237



53.3361, 59.4090, 97.6947



67.3383, 59.4090, 58.5112

Complementary

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



49.7056, 59.4090, 44.9237



47.6447, 43.4466, 67.5061

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.



67.0490, 59.4090, 74.2592



49.7056, 59.4090, 44.9237



58.7246, 59.4090, 98.6691

Square

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



49.7056, 59.4090, 44.9237



49.0620, 59.4090, 87.0513



63.8142, 59.4090, 89.5313



64.5808, 59.4090, 46.5230

Rectangle

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



49.7056, 59.4090, 44.9237



46.6288, 59.4090, 65.8868



63.8142, 59.4090, 89.5313



67.5988, 59.4090, 63.5005

Sweetspot

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



49.7072, 59.4116, 44.9250



89.2672, 97.2922, 96.2790



52.9855, 55.0769, 43.9155



18.9768, 20.7636, 20.3268



0.0000, 0.0000, 0.0000



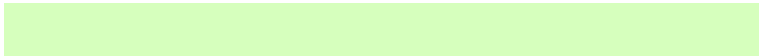
20.3446, 21.4041, 23.3091

Same Dimension

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



49.7072, 59.4116, 44.9250



72.5694, 89.4386, 61.4121



46.3965, 57.6481, 47.3361



12.0723, 13.4207, 12.5662



16.1446, 29.1918, 4.7837



0.9898, 1.6771, 0.2715

Inverse Universe

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



47.6447, 43.4466, 67.5061



68.8024, 60.3021, 102.6209



51.6127, 45.5670, 64.3113



11.8601, 11.7767, 14.8917



12.8898, 5.8252, 37.6375



0.8073, 0.3704, 2.1085

Previews

White Background



This preview shows how the XYZ color 49.7056, 59.4090, 44.9237 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 49.7056, 59.4090, 44.9237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

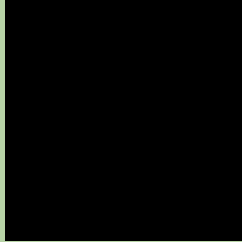
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7056, 59.4090, 44.9237

Background



This preview shows how black text looks on a background with the XYZ color 49.7056, 59.4090, 44.9237.



This preview shows how white text looks on a background with the XYZ color 49.7056, 59.4090,

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

49.7056, 59.4090, 44.9237

Protanopia

55.6664, 59.2968, 42.6939

Deuteranopia

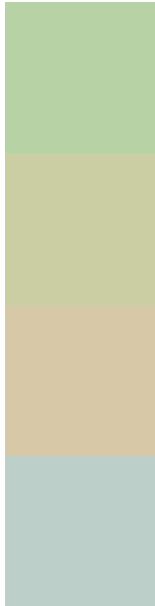
60.0575, 58.7718, 45.7148



Tritanopia

55.9970, 59.4294, 76.2298

Trichromacy



Original Color

49.7056, 59.4090, 44.9237

Protanomaly

53.0708, 59.0035, 43.2420

Deuteranomaly

55.7465, 58.5828, 45.4152

Tritanomaly

53.4772, 59.4871, 63.3072

Monochromacy



Original Color

49.7056, 59.4090, 44.9237

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

52.2112, 57.5945, 54.8194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7056, 59.4090, 44.9237 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(183, 211, 166)` looks like.

```
.text, #text, p{  
    color:rgb(183, 211, 166)  
}
```

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(183, 211, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 211, 166) }
```

Border

The CSS property to change the border of an element to XYZ 49.7056, 59.4090, 44.9237 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(183, 211, 166) }
```


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

```
.border{ border-color:rgb(183, 211, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 211, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 211, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 211, 166);  
box-shadow:4px 4px 4px 4px rgb(183, 211,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7056, 59.4090, 44.9237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 211, 166) }
```

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

```
.background{ background-color: rgb(183,  
211, 166) }
```

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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