

Converting Colors

XYZ(48.3233, 59.4979, 42.3849)

Have a look what the booklet for
XYZ(48.3233, 59.4979, 42.3849)
contains.

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Color

**XYZ(48.2709, 59.4737,
42.1931)**

Conversions

Conversions Part 1

Format	Color
Hex	B1D5A0
RGB	177, 213, 160
RGB Percent	69%, 84%, 63%
CMY	0.3059, 0.1647, 0.3725
CMYK	0.17, 0.00, 0.25, 0.16
HSL	101°, 39%, 73%
HSV	101°, 25%, 84%
XYZ	48.2709, 59.4737, 42.1931
YIQ	196.1940, -4.4430, -24.1150

Conversions

Conversions Part 2

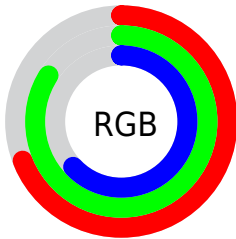
Format	Color
RYB	160, 213, 196
Decimal	11654560
CIELab	81.55, -21.56, 22.38
CIELCh	82, 31.076, 133.930
Yxy	59.4737, 0.3219, 0.3967
Android (android.graphics.Color)	4289844640 (0xFFB1D5A0)
YUV	196.1940, -17.8436, -16.8331
Hunter-Lab	77.1192, -23.2308, 21.5450

Details

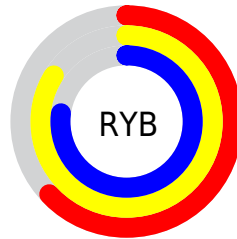
The XYZ color **48.2709, 59.4737, 42.1931** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.3484, 41.6831, 68.5041**, and the grayscale version is **52.6928, 55.4369, 60.3708**.

A 20% lighter version of the original color is **81.6300, 93.7499, 78.0832**, and **23.2458, 29.8215, 18.7183** is the 20% darker color. If you saturate the color by 10%, you get **43.4424, 57.1835, 33.0597**, and if you desaturate by 10%, it is **53.7713, 62.0769, 53.0269**.

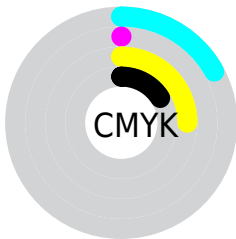
Distribution



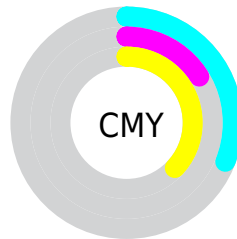
- Red (69%)
- Green (84%)
- Blue (63%)



- Red (63%)
- Yellow (84%)
- Blue (77%)



- Cyan (17%)
- Magenta (0%)
- Yellow (25%)
- Black (16%)



- Cyan (31%)
- Magenta (16%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2709, 59.4737, 42.1931 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 48.2709, 59.4737, 42.1931 by changing the saturation by 10% instead.

■ 48.2709, 59.4737,
42.1931

■ 48.2709, 59.4737,
42.1931

370.4296,
422.6551, 371.1060

■ 34.2536, 42.9946,
28.9258

■ 86.8149, 104.0658,
79.7650

■ 23.2523, 29.8809,
18.7796

■ 112.0723,
132.9476, 104.9068

■ 14.9016, 19.7482,
11.3359

141.8071,
166.7324, 134.8437

■ 8.8362, 12.2121,
6.1763

176.3846,
205.8046, 169.9945

■ 4.6908, 6.8883,
2.8820

216.1703,
250.5485, 210.7776

■ 2.0999, 3.3923,
1.0347

261.5295,

■ 0.6891, 1.3398,

301.3487, 257.6115

0.0000

312.8275,
358.5894, 310.9148

0.0000, 0.1717,
0.0000

0.0000, 0.0000,
0.0000

48.2709, 59.4737,
42.1931

48.2709, 59.4737,
42.1931

43.4424, 57.1835,
33.0597

53.7713, 62.0769,
53.0269

39.2541, 55.1865,
25.5366

59.9643, 64.9969,
65.6373

35.6783, 53.4723,
19.5313

66.8757, 68.2469,
80.1005

32.6835, 52.0270,
14.9404

74.5284, 71.8372,
96.4873

■ 30.2350, 50.8350,
11.6473

■ 81.0358, 75.0143,
104.8159

■ 28.2935, 49.8793,
9.5172

■ 83.0855, 76.0709,
104.9118

■ 26.8134, 49.1398,
8.3853

■ 26.2014, 48.8312,
8.0444

Harmonies

Analogous

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



53.5642, 59.4737, 35.7921



48.2709, 59.4737, 42.1931



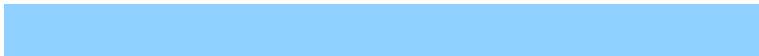
45.3195, 59.4737, 55.3200

Triad

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



48.2709, 59.4737, 42.1931



53.1290, 59.4737, 105.7349



69.5862, 59.4737, 56.4945

Complementary

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



48.2709, 59.4737, 42.1931



47.3484, 41.6831, 68.5041

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.



69.4471, 59.4737, 75.2099



48.2709, 59.4737, 42.1931



59.5991, 59.4737, 106.2169

Square

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



48.2709, 59.4737, 42.1931



47.9735, 59.4737, 92.9880



65.6767, 59.4737, 94.2002



66.0434, 59.4737, 42.9099

Rectangle

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



48.2709, 59.4737, 42.1931



44.9234, 59.4737, 67.2479



65.6767, 59.4737, 94.2002



69.9764, 59.4737, 62.3279

Sweetspot

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



48.2725, 59.4763, 42.1944



87.9870, 96.6756, 94.2586



53.3780, 55.8665, 41.2285



18.7079, 20.6337, 19.9189



0.0000, 0.0000, 0.0000



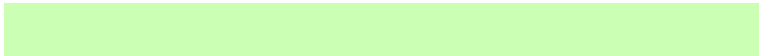
20.3446, 21.4041, 23.3091

Same Dimension

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



48.2725, 59.4763, 42.1944



68.4843, 87.4559, 55.6543



45.4390, 57.9231, 46.2407



12.6336, 14.0873, 13.2140



16.0989, 29.8756, 4.9181



1.0563, 1.8459, 0.3006

Inverse Universe

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



47.3484, 41.6831, 68.5041



66.8526, 56.1602, 101.9242



50.9327, 43.6570, 62.9765



12.5478, 12.4238, 15.6742



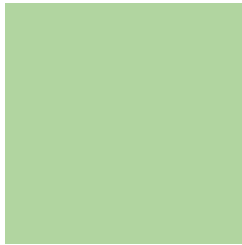
14.5462, 6.6513, 38.9703



0.9619, 0.4448, 2.3545

Previews

White Background



This preview shows how the XYZ color 48.2709, 59.4737, 42.1931 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 48.2709, 59.4737, 42.1931 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

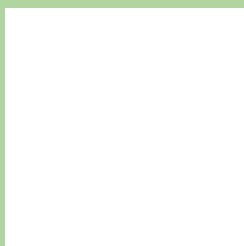
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.2709, 59.4737, 42.1931

Background



This preview shows how black text looks on a background with the XYZ color 48.2709, 59.4737, 42.1931.



This preview shows how white text looks on a background with the XYZ color 48.2709, 59.4737,

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

48.2709, 59.4737, 42.1931

Protanopia

55.3558, 59.2065, 39.5208

Deuteranopia

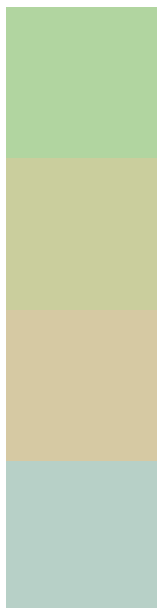
60.2536, 58.9261, 43.3201



Tritanopia

55.3760, 59.4479, 76.9626

Trichromacy



Original Color

48.2709, 59.4737, 42.1931

Protanomaly

52.5142, 59.1335, 40.5444

Deuteranomaly

55.2291, 58.7138, 43.0723

Tritanomaly

52.3931, 59.3026, 62.7180

Monochromacy



Original Color

48.2709, 59.4737, 42.1931

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

50.6540, 56.4788, 53.0315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2709, 59.4737, 42.1931 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, 213, 160)` looks like.

```
.text, #text, p{  
    color:rgb(177, 213, 160)  
}
```

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, 213, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 213, 160) }
```

Border

The CSS property to change the border of an element to XYZ 48.2709, 59.4737, 42.1931 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, 213, 160) }
```


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

```
.border{ border-color:rgb(177, 213, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 213, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 213, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 213, 160);  
box-shadow:4px 4px 4px 4px rgb(177, 213,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2709, 59.4737, 42.1931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 213, 160) }
```

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

```
.background{ background-color: rgb(177,  
213, 160) }
```

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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