

Converting Colors

XYZ(42.1767, 50.3464, 39.3141)

Have a look what the booklet for
XYZ(42.1767, 50.3464, 39.3141)
contains.

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Color

**XYZ(42.1879, 50.3492,
39.3931)**

Conversions

Conversions Part 1

Format	Color
Hex	A9C49D
RGB	169, 196, 157
RGB Percent	66%, 77%, 62%
CMY	0.3373, 0.2314, 0.3843
CMYK	0.14, 0.00, 0.20, 0.23
HSL	102°, 25%, 69%
HSV	102°, 20%, 77%
XYZ	42.1879, 50.3492, 39.3931
YIQ	183.4810, -3.5730, -17.8530

Conversions

Conversions Part 2

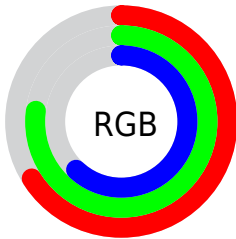
Format	Color
RYB	157, 196, 184
Decimal	11125917
CIELab	76.28, -16.37, 16.60
CIELCh	76, 23.310, 134.600
Yxy	50.3492, 0.3198, 0.3816
Android (android.graphics.Color)	4289315997 (0xFFA9C49D)
YUV	183.4810, -13.0551, -12.6998
Hunter-Lab	70.9572, -18.0471, 16.7542

Details

The XYZ color **42.1879, 50.3492, 39.3931** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.7900, 38.2912, 57.4156**, and the grayscale version is **45.3460, 47.7076, 51.9535**.

A 20% lighter version of the original color is **77.7494, 90.8513, 75.7256**, and **19.6106, 24.1685, 17.2671** is the 20% darker color. If you saturate the color by 10%, you get **37.8855, 48.3108, 31.1462**, and if you desaturate by 10%, it is **47.0637, 52.6551, 49.0703**.

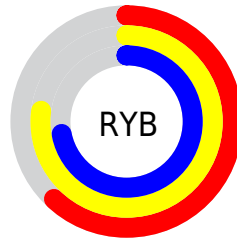
Distribution



Red (66%)

Green (77%)

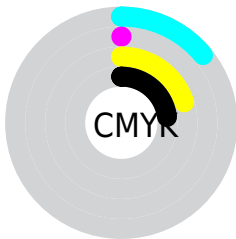
Blue (62%)



Red (62%)

Yellow (77%)

Blue (72%)

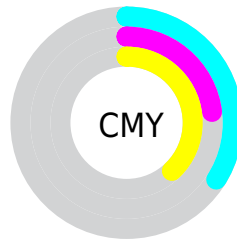


Cyan (14%)

Magenta (0%)

Yellow (20%)

Black (23%)



Cyan (34%)

Magenta (23%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1879, 50.3492, 39.3931 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 42.1879, 50.3492, 39.3931 by changing the saturation by 10% instead.

■ 42.1879, 50.3492,
39.3931

■ 42.1879, 50.3492,
39.3931

346.2397,
388.0300, 359.0346

■ 29.4402, 35.6909,
26.7555

■ 77.7473, 90.6921,
75.4654

■ 19.5600, 24.1956,
17.1589

■ 101.2897,
117.1454, 99.7372

■ 12.1820, 15.4788,
10.1847

129.1611,
148.2993, 128.7241

■ 6.9409, 9.1561,
5.4144

161.7268,
184.5381, 162.8447

■ 3.4711, 4.8431,
2.4294

199.3521,
226.2461, 202.5175

■ 1.4075, 2.1555,
0.8024

242.4025,

■ 0.2616, 0.6956,

273.8079, 248.1611

0.0000

291.2432,
327.6077, 300.1939

■ 0.0000, 0.0000,
0.0000

■ 42.1879, 50.3492,
39.3931

■ 42.1879, 50.3492,
39.3931

■ 37.8855, 48.3108,
31.1462

■ 47.0637, 52.6551,
49.0703

■ 34.1304, 46.5236,
24.2586

■ 52.5296, 55.2314,
60.2376

■ 30.9007, 44.9792,
18.6581

■ 58.6066, 58.0890,
72.9557

■ 28.1710, 43.6664,
14.2647

■ 65.3133, 61.2363,
87.2806

■ 25.9138, 42.5729,
10.9892

■ 72.6669, 64.6811,
103.2625

■ 24.0985, 41.6852,
8.7302

■ 77.3672, 67.1042,
103.4825

■ 22.6901, 40.9878,
7.3680

■ 79.0309, 67.9619,
103.5603

■ 21.6320, 40.4567,
6.6745

■ 21.6226, 40.4519,
6.6684

Harmonies

Analogous

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



45.7660, 50.3492, 34.6546



42.1879, 50.3492, 39.3931



40.1940, 50.3492, 48.6688

Triad

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



42.1879, 50.3492, 39.3931



45.6558, 50.3492, 81.4864



56.4673, 50.3492, 48.9699

Complementary

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



42.1879, 50.3492, 39.3931



41.7900, 38.2912, 57.4156

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.



56.4333, 50.3492, 61.4725



42.1879, 50.3492, 39.3931



50.0075, 50.3492, 81.6000

Square

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



42.1879, 50.3492, 39.3931



42.1115, 50.3492, 73.5395



54.0090, 50.3492, 73.8296



54.0992, 50.3492, 39.5845

Rectangle

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



42.1879, 50.3492, 39.3931



39.9497, 50.3492, 56.7767



54.0090, 50.3492, 73.8296



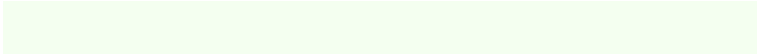
56.7408, 50.3492, 52.9122

Sweetspot

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



42.1892, 50.3514, 39.3942



88.8933, 97.0994, 96.2615



45.9207, 48.3080, 38.8031



18.8886, 20.7181, 20.3227



0.0000, 0.0000, 0.0000



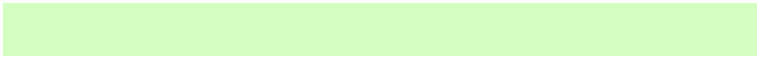
20.3446, 21.4041, 23.3091

Same Dimension

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



42.1892, 50.3514, 39.3942



72.8079, 89.4966, 64.3584



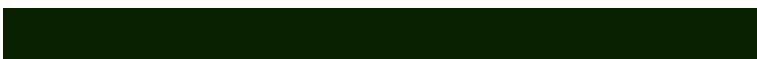
40.3605, 49.3360, 42.5896



10.2294, 11.4057, 10.7243



13.9709, 26.0311, 4.2882



0.6757, 1.1619, 0.1887

Inverse Universe

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



41.7900, 38.2912, 57.4156



71.9465, 63.5769, 103.0873



43.9928, 39.5186, 53.3702



10.1860, 10.0870, 12.6950



12.9863, 5.9551, 34.0216



0.6289, 0.2922, 1.4731

Previews

White Background



This preview shows how the XYZ color 42.1879, 50.3492, 39.3931 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 42.1879, 50.3492, 39.3931 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

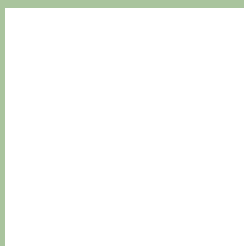
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1879, 50.3492, 39.3931

Background



This preview shows how black text looks on a background with the XYZ color 42.1879, 50.3492, 39.3931.



This preview shows how white text looks on a background with the XYZ color 42.1879, 50.3492,

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

42.1879, 50.3492, 39.3931

Protanopia

47.0733, 49.9827, 37.3036

Deuteranopia

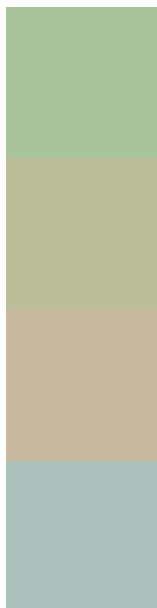
51.1879, 50.1847, 40.2464



Tritanopia

47.1215, 50.0331, 64.9314

Trichromacy



Original Color

42.1879, 50.3492, 39.3931

Protanomaly

44.9852, 49.8514, 37.8232

Deuteranomaly

47.3701, 49.7631, 39.9095

Tritanomaly

45.1603, 50.2144, 54.8891

Monochromacy



Original Color

42.1879, 50.3492, 39.3931

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.9833, 48.4874, 47.0852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1879, 50.3492, 39.3931 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(169, 196, 157)` looks like.

```
.text, #text, p{  
    color:rgb(169, 196, 157)  
}
```

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(169, 196, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 196, 157) }
```

Border

The CSS property to change the border of an element to XYZ 42.1879, 50.3492, 39.3931 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(169, 196, 157) }
```


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

```
.border{ border-color:rgb(169, 196, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 196, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 196, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 196, 157);  
box-shadow:4px 4px 4px 4px rgb(169, 196,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1879, 50.3492, 39.3931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 196, 157) }
```

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

```
.background{ background-color: rgb(169,  
196, 157) }
```

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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