

Converting Colors

XYZ(42.8535, 49.2191, 34.9535)

Have a look what the booklet for
XYZ(42.8535, 49.2191, 34.9535)
contains.

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Color

**XYZ(42.7197, 49.0715,
34.8239)**

Conversions

Conversions Part 1

Format	Color
Hex	B4BF93
RGB	180, 191, 147
RGB Percent	71%, 75%, 58%
CMY	0.2941, 0.2510, 0.4235
CMYK	0.06, 0.00, 0.23, 0.25
HSL	75°, 26%, 66%
HSV	75°, 23%, 75%
XYZ	42.7197, 49.0715, 34.8239
YIQ	182.6950, 7.5680, -16.0160

Conversions

Conversions Part 2

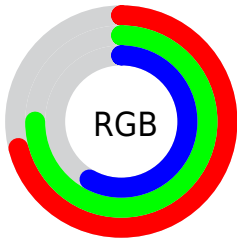
Format	Color
RYB	147, 191, 158
Decimal	11845523
CIELab	75.50, -11.38, 20.98
CIELCh	75, 23.864, 118.473
Yxy	49.0715, 0.3374, 0.3876
Android (android.graphics.Color)	4290035603 (0xFFB4BF93)
YUV	182.6950, -17.5976, -2.3635
Hunter-Lab	70.0511, -13.7335, 19.5614

Details

The XYZ color **42.7197, 49.0715, 34.8239** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.9401, 31.8994, 53.6613**, and the grayscale version is **44.9342, 47.2743, 51.4817**.

A 20% lighter version of the original color is **78.3955, 88.5714, 68.2225**, and **19.9522, 23.5335, 14.5572** is the 20% darker color. If you saturate the color by 10%, you get **40.2512, 47.9595, 27.5236**, and if you desaturate by 10%, it is **45.4780, 50.3072, 43.4388**.

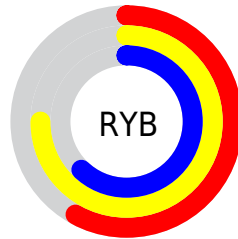
Distribution



Red (71%)

Green (75%)

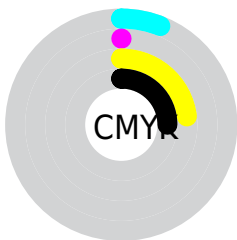
Blue (58%)



Red (58%)

Yellow (75%)

Blue (62%)

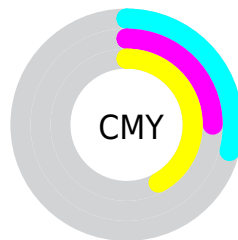


Cyan (6%)

Magenta (0%)

Yellow (23%)

Black (25%)



Cyan (29%)


Magenta (25%)


Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7197, 49.0715, 34.8239 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 42.7197, 49.0715, 34.8239 by changing the saturation by 10% instead.


 42.7197, 49.0715,
34.8239


 42.7197, 49.0715,
34.8239


348.3988,
383.0237, 338.6710

 29.8588, 34.6762,
23.2448


 78.5461, 88.7976,
68.3613

 19.8790, 23.4136,
14.5674


 102.2422,
114.8973, 91.1568

 12.4149, 14.8992,
8.3731


130.2809,
145.6671, 118.5280

 7.1011, 8.7487,
4.2434

163.0274,
181.4916, 150.8937

 3.5723, 4.5776,
1.7598

200.8471,
222.7551, 188.6722

 1.4631, 2.0016,
0.4012

244.1053,

 0.3005, 0.6084,

269.8421, 232.2823

0.0000

293.1675,
323.1368, 282.1424

■ 0.0000, 0.0000,
0.0000

■ 42.7197, 49.0715,
34.8239

■ 42.7197, 49.0715,
34.8239

■ 40.2512, 47.9595,
27.5236

■ 45.4780, 50.3072,
43.4388

■ 38.0560, 46.9595,
21.4701

■ 48.5341, 51.6647,
53.4254

■ 36.1216, 46.0682,
16.5943

■ 51.9003, 53.1509,
64.8412

■ 34.4331, 45.2796,
12.8191

■ 55.5871, 54.7698,
77.7395

■ 32.9737, 44.5868,
10.0582

■ 59.6044, 56.5256,
92.1708

■ 31.7241, 43.9822,
8.2125

■ 62.8801, 57.9893,
102.4867

■ 30.6613, 43.4564,
7.1628

■ 64.2490, 58.6951,
102.5507

■ 30.0011, 43.1247,
6.7427

■ 65.6588, 59.4218,
102.6167

■ 67.1098, 60.1698,
102.6846

Harmonies

Analogous

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



46.8669, 49.0715, 32.6714



42.7197, 49.0715, 34.8239



39.7897, 49.0715, 41.7276

Triad

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



42.7197, 49.0715, 34.8239



42.3523, 49.0715, 76.8799



55.6272, 49.0715, 54.0791

Complementary

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



42.7197, 49.0715, 34.8239



33.9401, 31.8994, 53.6613

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.



54.2368, 49.0715, 67.1394



42.7197, 49.0715, 34.8239



46.4158, 49.0715, 81.5211

Square

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



42.7197, 49.0715, 34.8239



39.5871, 49.0715, 65.8449



50.7952, 49.0715, 77.7062



54.4867, 49.0715, 42.6837

Rectangle

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



42.7197, 49.0715, 34.8239



38.8270, 49.0715, 48.7301



50.7952, 49.0715, 77.7062



55.4388, 49.0715, 58.4239

Sweetspot

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



42.7210, 49.0737, 34.8250



84.6249, 91.5092, 88.0919



38.9809, 37.6381, 32.8148



18.5091, 20.0618, 19.1026



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



42.7210, 49.0737, 34.8250



74.0560, 86.7819, 55.0153



37.9994, 46.6396, 34.6040



10.0829, 10.9972, 10.1679



19.7920, 28.3790, 4.4346



0.8318, 1.1408, 0.1763

Inverse Universe

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



33.9401, 31.8994, 53.6613



55.3934, 50.2714, 95.0629



38.6617, 34.3335, 53.8822



9.2341, 9.3375, 11.9878



7.0373, 2.9139, 32.5844



0.3379, 0.1462, 1.2793

Previews

White Background



This preview shows how the XYZ color 42.7197, 49.0715, 34.8239 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 42.7197, 49.0715, 34.8239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

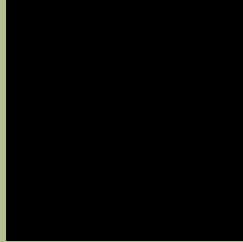
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7197, 49.0715, 34.8239

Background



This preview shows how black text looks on a background with the XYZ color 42.7197, 49.0715, 34.8239.



This preview shows how white text looks on a background with the XYZ color 42.7197, 49.0715,

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

42.7197, 49.0715, 34.8239

Protanopia

45.6717, 48.7173, 33.3818

Deuteranopia

49.7443, 48.6417, 35.6211



Tritanopia

47.9428, 48.9693, 60.9580

Trichromacy



Original Color

42.7197, 49.0715, 34.8239

Protanomaly

44.3670, 48.6613, 33.8423

Deuteranomaly

46.9869, 48.7334, 35.3638

Tritanomaly

45.7757, 49.0263, 50.2304

Monochromacy



Original Color

42.7197, 49.0715, 34.8239

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.1060, 47.9652, 44.9638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7197, 49.0715, 34.8239 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(180, 191, 147)` looks like.

```
.text, #text, p{  
    color:rgb(180, 191, 147)  
}
```

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(180, 191, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 191, 147) }
```

Border

The CSS property to change the border of an element to XYZ 42.7197, 49.0715, 34.8239 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(180, 191, 147) }
```


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

```
.border{ border-color:rgb(180, 191, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 191, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 191, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 191, 147);  
box-shadow:4px 4px 4px 4px rgb(180, 191,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7197, 49.0715, 34.8239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 191, 147) }
```

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

```
.background{ background-color: rgb(180,  
191, 147) }
```

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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