

Converting Colors

XYZ(42.8143, 48.9778, 34.0712)

Have a look what the booklet for
XYZ(42.8143, 48.9778, 34.0712)
contains.

XYZ(42.7977, 49.1297, 34.0154)	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(42.7977, 49.1297,
34.0154)**

Conversions

Conversions Part 1

Format	Color
Hex	B5BF91
RGB	181, 191, 145
RGB Percent	71%, 75%, 57%
CMY	0.2902, 0.2510, 0.4314
CMYK	0.05, 0.00, 0.24, 0.25
HSL	73°, 26%, 66%
HSV	73°, 24%, 75%
XYZ	42.7977, 49.1297, 34.0154
YIQ	182.7660, 8.8060, -16.4260

Conversions

Conversions Part 2

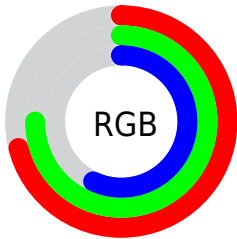
Format	Color
RYB	145, 191, 155
Decimal	11911057
CIELab	75.53, -11.30, 22.11
CIELCh	76, 24.828, 117.075
Yxy	49.1297, 0.3398, 0.3901
Android (android.graphics.Color)	4290101137 (0xFFB5BF91)
YUV	182.7660, -18.6186, -1.5488
Hunter-Lab	70.0926, -13.6720, 20.2918

Details

The XYZ color **42.7977, 49.1297, 34.0154** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.0489, 30.9823, 53.5313**, and the grayscale version is **44.9780, 47.3204, 51.5319**.

A 20% lighter version of the original color is **78.4946, 88.6496, 67.0068**, and **20.0109, 23.5743, 14.0853** is the 20% darker color. If you saturate the color by 10%, you get **40.4879, 48.0966, 26.8549**, and if you desaturate by 10%, it is **45.3867, 50.2812, 42.4835**.

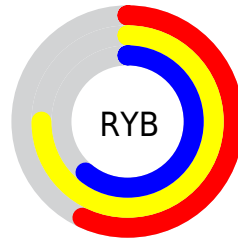
Distribution



Red (71%)

Green (75%)

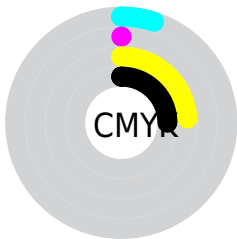
Blue (57%)



Red (57%)

Yellow (75%)

Blue (61%)

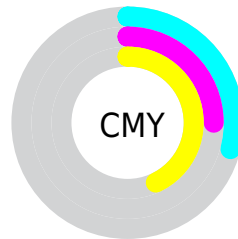


Cyan (5%)

Magenta (0%)

Yellow (24%)

Black (25%)



Cyan (29%)

Magenta (25%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7977, 49.1297, 34.0154 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 42.7977, 49.1297, 34.0154 by changing the saturation by 10% instead.

■ 42.7977, 49.1297,
34.0154

■ 42.7977, 49.1297,
34.0154

348.7148,
383.2527, 334.9720

■ 29.9203, 34.7224,
22.6280

■ 78.6631, 88.8841,
67.0918

■ 19.9258, 23.4491,
14.1163

■ 102.3818,
114.9999, 89.6178

■ 12.4491, 14.9255,
8.0619

130.4449,
145.7873, 116.6938

■ 7.1247, 8.7671,
4.0463

163.2178,
181.6308, 148.7383

■ 3.5872, 4.5896,
1.6508

201.0659,
222.9147, 186.1698

■ 1.4714, 2.0085,
0.3267

244.3546,

■ 0.3062, 0.6124,

270.0233, 229.4069

0.0000

293.4491,
323.3412, 278.8681

■ 0.0000, 0.0000,
0.0000

■ 42.7977, 49.1297,
34.0154

■ 42.7977, 49.1297,
34.0154

■ 40.4879, 48.0966,
26.8549

■ 45.3867, 50.2812,
42.4835

■ 38.4410, 47.1703,
20.9338

■ 48.2630, 51.5493,
52.3167

■ 36.6444, 46.3474,
16.1822

■ 51.4387, 52.9406,
63.5730

■ 35.0831, 45.6220,
12.5222

■ 54.9243, 54.4593,
76.3058

■ 33.7404, 44.9871,
9.8664

■ 58.7298, 56.1094,
90.5661

■ 32.5967, 44.4351,
8.1140

■ 62.1141, 57.5945,
102.4508

■ 31.6287, 43.9566,
7.1432

■ 63.2821, 58.1966,
102.5055

■ 31.1116, 43.6972,
6.7947

■ 64.4808, 58.8145,
102.5616

■ 65.7104, 59.4484,
102.6191

Harmonies

Analogous

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



47.1477, 49.1297, 32.0336



42.7977, 49.1297, 34.0154



39.6806, 49.1297, 40.9108

Triad

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



42.7977, 49.1297, 34.0154



42.0666, 49.1297, 77.6076



56.0653, 49.1297, 54.7928

Complementary

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



42.7977, 49.1297, 34.0154



33.0489, 30.9823, 53.5313

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.



54.4937, 49.1297, 68.4239



42.7977, 49.1297, 34.0154



46.2478, 49.1297, 82.8774

Square

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



42.7977, 49.1297, 34.0154



39.2784, 49.1297, 65.8277



50.8248, 49.1297, 79.2706



54.9939, 49.1297, 42.8058

Rectangle

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



42.7977, 49.1297, 34.0154



38.6203, 49.1297, 48.0429



50.8248, 49.1297, 79.2706



55.8263, 49.1297, 59.3423

Sweetspot

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



42.7990, 49.1319, 34.0165



84.8201, 91.6098, 88.1010



38.3142, 36.5538, 31.8250



18.5555, 20.0858, 19.1047



92.9021, 97.7402, 106.4391



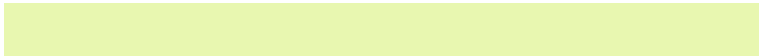
19.4759, 20.4902, 22.3138

Same Dimension

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



42.7990, 49.1319, 34.0165



74.3645, 86.9694, 53.7440



37.8504, 46.5808, 33.7849



10.1137, 11.0130, 10.1693



20.5154, 28.7520, 4.4684



0.8550, 1.1527, 0.1774

Inverse Universe

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



33.0489, 30.9823, 53.5313



53.8339, 48.7429, 94.8501



37.8835, 33.4746, 53.7575



9.2053, 9.3227, 11.9865



6.8525, 2.8187, 32.5758



0.3254, 0.1398, 1.2787

Previews

White Background



This preview shows how the XYZ color 42.7977, 49.1297, 34.0154 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 42.7977, 49.1297, 34.0154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

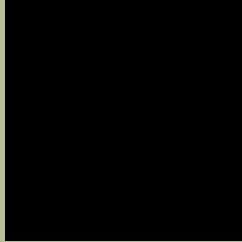
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7977, 49.1297, 34.0154

Background



This preview shows how black text looks on a background with the XYZ color 42.7977, 49.1297, 34.0154.



This preview shows how white text looks on a background with the XYZ color 42.7977, 49.1297,

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

42.7977, 49.1297, 34.0154

Protanopia

46.0700, 49.2431, 33.0633

Deuteranopia

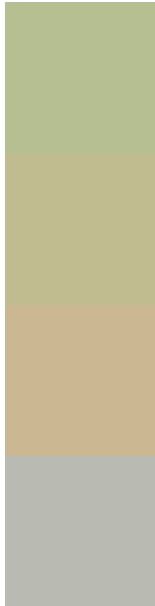
49.8810, 48.7306, 34.7939



Tritanopia

48.0726, 49.0496, 60.3599

Trichromacy



Original Color

42.7977, 49.1297, 34.0154

Protanomaly

44.7555, 49.1865, 33.5206

Deuteranomaly

47.1018, 48.8109, 34.5427

Tritanomaly

45.9146, 49.1096, 49.7070

Monochromacy



Original Color

42.7977, 49.1297, 34.0154

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.0117, 47.9275, 44.4674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7977, 49.1297, 34.0154 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(181, 191, 145)` looks like.

```
.text, #text, p{  
    color:rgb(181, 191, 145)  
}
```

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(181, 191, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 191, 145) }
```

Border

The CSS property to change the border of an element to XYZ 42.7977, 49.1297, 34.0154 is called "border". The border property can be set on classes, ids or directly on the HTML element.

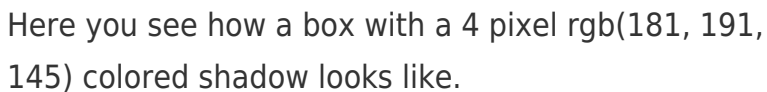
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 191, 145) }
```


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

```
.border{ border-color:rgb(181, 191, 145) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 191, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 191, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 191, 145); box-shadow:4px 4px 4px 4px rgb(181, 191, 145) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7977, 49.1297, 34.0154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 191, 145) }
```

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

```
.background{ background-color: rgb(181,  
191, 145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor