

Converting Colors

XYZ(42.8859, 49.2371, 31.7089)

Have a look what the booklet for
XYZ(42.8859, 49.2371, 31.7089)
contains.

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Color

**XYZ(42.8194, 49.1930,
31.6645)**

Conversions

Conversions Part 1

Format	Color
Hex	B7BF8B
RGB	183, 191, 139
RGB Percent	72%, 75%, 55%
CMY	0.2824, 0.2510, 0.4549
CMYK	0.04, 0.00, 0.27, 0.25
HSL	69°, 29%, 65%
HSV	69°, 27%, 75%
XYZ	42.8194, 49.1930, 31.6645
YIQ	182.6800, 11.9240, -17.8680

Conversions

Conversions Part 2

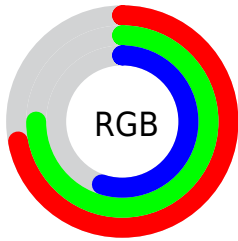
Format	Color
R_{YB}	139, 191, 147
Decimal	12042123
CIE _{Lab}	75.57, -11.40, 25.38
CIE _{LCh}	76, 27.821, 114.201
Yxy	49.1930, 0.3462, 0.3978
Android (android.graphics.Color)	4290232203 (0xFFB7BF8B)
YUV	182.6800, -21.5342, 0.2806
Hunter-Lab	70.1377, -13.7659, 22.3292

Details

The XYZ color **42.8194, 49.1930, 31.6645** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.6713, 28.4313, 53.1643**, and the grayscale version is **44.9451, 47.2858, 51.4942**.

A 20% lighter version of the original color is **78.4830, 88.7225, 63.4407**, and **19.9032, 23.5487, 12.7289** is the 20% darker color. If you saturate the color by 10%, you get **40.8524, 48.3279, 24.9130**, and if you desaturate by 10%, it is **45.0474, 50.1675, 39.7030**.

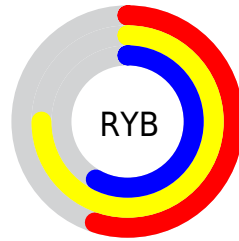
Distribution



Red (72%)

Green (75%)

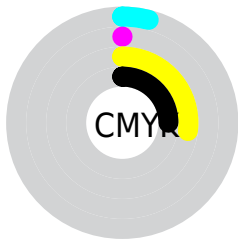
Blue (55%)



Red (55%)

Yellow (75%)

Blue (58%)

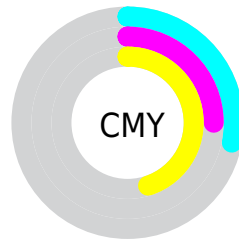


Cyan (4%)

Magenta (0%)

Yellow (27%)

Black (25%)



Cyan (28%)

Magenta (25%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8194, 49.1930, 31.6645 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 42.8194, 49.1930, 31.6645 by changing the saturation by 10% instead.

■ 42.8194, 49.1930,
31.6645

■ 42.8194, 49.1930,
31.6645

348.8026,
383.5016, 324.0336

■ 29.9373, 34.7726,
20.8427

■ 78.6957, 88.9780,
63.3765

■ 19.9389, 23.4878,
12.8189

■ 102.4206,
115.1115, 85.1038

■ 12.4586, 14.9541,
7.1747

■ 130.4905,
145.9180, 111.3034

■ 7.1312, 8.7872,
3.4915

163.2708,
181.7821, 142.3937

■ 3.5914, 4.6026,
1.3508

201.1268,
223.0881, 178.7933

■ 1.4737, 2.0160,
0.1028

244.4239,

■ 0.3078, 0.6168,

270.2204, 220.9208

0.0000

293.5274,
323.5635, 269.1947

■ 0.0000, 0.0000,
0.0000

■ 42.8194, 49.1930,
31.6645

■ 42.8194, 49.1930,
31.6645

■ 40.8524, 48.3279,
24.9130

■ 45.0474, 50.1675,
39.7030

■ 39.1298, 47.5606,
19.3786

■ 47.5445, 51.2497,
49.0874

■ 37.6391, 46.8877,
14.9894

■ 50.3231, 52.4462,
59.8766

■ 36.3647, 46.3030,
11.6650

■ 53.3935, 53.7611,
72.1252

■ 35.2893, 45.7996,
9.3141

■ 56.7657, 55.1985,
85.8848

■ 34.3927, 45.3693,
7.8305

■ 60.4491, 56.7621,
101.2047

■ 33.6464, 45.0007,
7.0648

■ 61.4691, 57.2621,
102.4207

■ 33.4517, 44.9036,
6.9042

■ 62.2805, 57.6804,
102.4586

■ 63.1072, 58.1065,
102.4973

Harmonies

Analogous

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



47.7626, 49.1930, 30.0422



42.8194, 49.1930, 31.6645



39.1871, 49.1930, 38.6484

Triad

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



42.8194, 49.1930, 31.6645



41.2083, 49.1930, 79.9676



57.2988, 49.1930, 56.4751

Complementary

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



42.8194, 49.1930, 31.6645



30.6713, 28.4313, 53.1643

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.



55.2427, 49.1930, 71.8918



42.8194, 49.1930, 31.6645



45.7646, 49.1930, 86.9608

Square

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



42.8194, 49.1930, 31.6645



38.3058, 49.1930, 66.0292



50.9278, 49.1930, 83.7633



56.3667, 49.1930, 42.7735

Rectangle

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



42.8194, 49.1930, 31.6645



37.8736, 49.1930, 46.2174



50.9278, 49.1930, 83.7633



56.9298, 49.1930, 61.6479

Sweetspot

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



42.8207, 49.1952, 31.6655



84.7245, 91.6005, 86.2956



36.5505, 33.7472, 29.0143



18.4495, 20.0475, 18.3596



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.



42.8207, 49.1952, 31.6655



74.4156, 87.1045, 48.8348



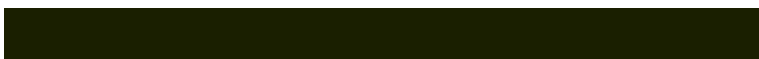
37.2365, 46.3164, 31.4042



10.1741, 11.0441, 10.1721



22.0377, 29.5367, 4.5397



0.9028, 1.1774, 0.1797

Inverse Universe

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



30.6713, 28.4313, 53.1643



48.8553, 43.4086, 94.0829



35.8276, 31.0895, 53.4056



9.1496, 9.2940, 11.9839



6.5649, 2.6704, 32.5623



0.3010, 0.1272, 1.2775

Previews

White Background



This preview shows how the XYZ color 42.8194, 49.1930, 31.6645 looks on a white background.

Color Contrast Check

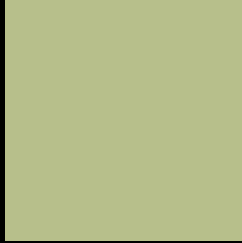
Large Text (above 18pt) WCAG AA × Fail

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 42.8194, 49.1930, 31.6645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

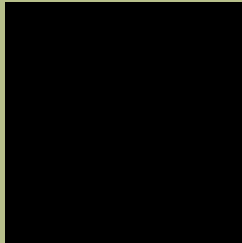
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

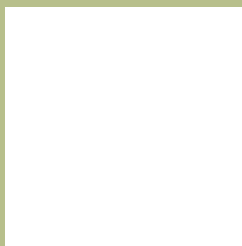
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8194, 49.1930, 31.6645

Background



This preview shows how black text looks on a background with the XYZ color 42.8194, 49.1930, 31.6645.



This preview shows how white text looks on a background with the XYZ color 42.8194, 49.1930,

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

42.8194, 49.1930, 31.6645

Protanopia

45.8937, 49.2033, 30.7452

Deuteranopia

50.0163, 48.8539, 32.3848



Tritanopia

48.6124, 49.0206, 60.3258

Trichromacy



Original Color

42.8194, 49.1930, 31.6645

Protanomaly

44.8188, 49.2708, 31.1928

Deuteranomaly

47.1948, 48.9119, 32.1528

Tritanomaly

46.2338, 48.9835, 48.6130

Monochromacy



Original Color

42.8194, 49.1930, 31.6645

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.0624, 47.9751, 43.4970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8194, 49.1930, 31.6645 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, 191, 139)` looks like.

```
.text, #text, p{  
    color:rgb(183, 191, 139)  
}
```

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, 191, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 191, 139) }
```

Border

The CSS property to change the border of an element to XYZ 42.8194, 49.1930, 31.6645 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, 191, 139) }
```


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

```
.border{ border-color:rgb(183, 191, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 191, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 191, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 191, 139);  
box-shadow:4px 4px 4px 4px rgb(183, 191,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8194, 49.1930, 31.6645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 191, 139) }
```

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

```
.background{ background-color: rgb(183,  
191, 139) }
```

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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