

Converting Colors

XYZ(31.8485, 42.8616, 30.4390)

Have a look what the booklet for
XYZ(31.8485, 42.8616, 30.4390)
contains.

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Color

**XYZ(31.9189, 42.9472,
30.2742)**

Conversions

Conversions Part 1

Format	Color
Hex	82BD89
RGB	130, 189, 137
RGB Percent	51%, 74%, 54%
CMY	0.4902, 0.2588, 0.4627
CMYK	0.31, 0.00, 0.28, 0.26
HSL	127°, 31%, 63%
HSV	127°, 31%, 74%
XYZ	31.9189, 42.9472, 30.2742
YIQ	165.4310, -18.4720, -28.6800

Conversions

Conversions Part 2

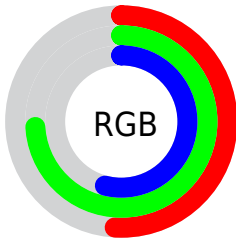
Format	Color
RYB	130, 183, 189
Decimal	8568201
CIELab	71.52, -29.70, 20.36
CIELCh	72, 36.004, 145.568
Yxy	42.9472, 0.3036, 0.4085
Android (android.graphics.Color)	4286758281 (0xFF82BD89)
YUV	165.4310, -14.0165, -31.0730
Hunter-Lab	65.5341, -27.7449, 18.4842

Details

The XYZ color **31.9189, 42.9472, 30.2742** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.4139, 30.1624, 48.1079**, and the grayscale version is **36.0438, 37.9209, 41.2959**.

A 20% lighter version of the original color is **62.1269, 79.8635, 61.4310**, and **13.5262, 19.6358, 12.0940** is the 20% darker color. If you saturate the color by 10%, you get **28.1778, 41.1474, 24.3360**, and if you desaturate by 10%, it is **36.3793, 45.0990, 37.2110**.

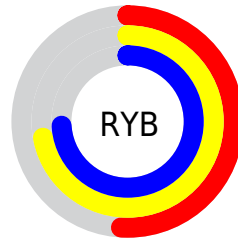
Distribution



Red (51%)

Green (74%)

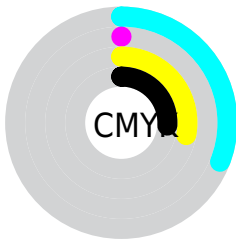
Blue (54%)



Red (51%)

Yellow (72%)

Blue (74%)

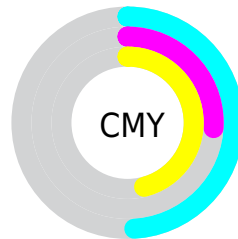


Cyan (31%)

Magenta (0%)

Yellow (28%)

Black (26%)



Cyan (49%)

Magenta (26%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9189, 42.9472, 30.2742 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 31.9189, 42.9472, 30.2742 by changing the saturation by 10% instead.

■ 31.9189, 42.9472,
30.2742

■ 31.9189, 42.9472,
30.2742

302.5015,
358.3946, 317.4275

■ 21.4548, 29.8437,
19.7930

■ 62.0500, 79.6312,
61.1617

■ 13.5712, 19.7200,
12.0621

■ 82.4477, 103.9804,
82.4050

■ 7.9027, 12.1917,
6.6629

■ 106.8873,
132.8471, 108.0728

■ 4.0841, 6.8743,
3.1770

135.7342,
166.6155, 138.5836

■ 1.7498, 3.3836,
1.1857

169.3537,
205.6700, 174.3559

■ 0.4871, 1.3351,
0.0000

208.1112,

■ 0.0000, 0.1682,

250.3951, 215.8083

0.0000

252.3720,
301.1752, 263.3593

■ 0.0000, 0.0000,
0.0000

■ 31.9189, 42.9472,
30.2742

■ 31.9189, 42.9472,
30.2742

■ 28.1778, 41.1474,
24.3360

■ 36.3793, 45.0990,
37.2110

■ 25.1149, 39.6756,
19.3477

■ 41.5905, 47.6143,
45.1863

■ 22.6903, 38.5137,
15.2608


■ 47.5862, 50.5110,
54.2415


■ 20.8585, 37.6392,
12.0215


■ 54.3970, 53.8040,
64.4146


■ 19.5678, 37.0267,
9.5702


■ 62.0520, 57.5075,
75.7422

 18.7573, 36.6463,
7.8396

 70.5787, 61.6349,
88.2587

 18.3474, 36.4565,
6.8505

 77.2650, 64.7875,
101.8694

 77.4884, 64.8769,
103.0461

Harmonies

Analogous

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



35.9807, 42.9472, 22.5999



31.9189, 42.9472, 30.2742



30.2408, 42.9472, 44.2229

Triad

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



31.9189, 42.9472, 30.2742



39.9235, 42.9472, 88.7038



52.2971, 42.9472, 33.7525

Complementary

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



31.9189, 42.9472, 30.2742



37.4139, 30.1624, 48.1079

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.



53.6169, 42.9472, 49.3969



31.9189, 42.9472, 30.2742



46.0749, 42.9472, 83.9229

Square

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



31.9189, 42.9472, 30.2742



34.5616, 42.9472, 80.1605



51.2389, 42.9472, 68.3571



47.7917, 42.9472, 24.2307

Rectangle

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



31.9189, 42.9472, 30.2742



30.5644, 42.9472, 56.3333



51.2389, 42.9472, 68.3571



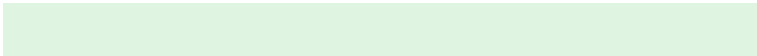
53.1459, 42.9472, 38.3417

Sweetspot

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



31.9200, 42.9490, 30.2752



76.5947, 86.2921, 84.1268



41.5476, 47.9684, 28.1885



16.1512, 18.4021, 17.6053



90.7827, 95.5105, 104.0109



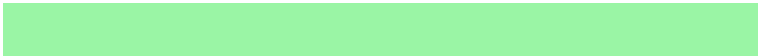
18.6292, 19.5994, 21.3438

Same Dimension

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



31.9200, 42.9490, 30.2752



52.7499, 74.7914, 47.2392



34.3230, 43.9102, 42.9289



9.4536, 10.6676, 10.3722



12.3594, 24.5340, 4.6895



0.4995, 0.9672, 0.2646

Inverse Universe

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



37.4139, 30.1624, 48.1079



64.0380, 48.5053, 83.8695



34.6884, 29.0722, 33.7555



9.8799, 9.6763, 11.7565



18.8055, 9.1533, 25.3329



0.7506, 0.3641, 1.0658

Previews

White Background



This preview shows how the XYZ color 31.9189, 42.9472, 30.2742 looks on a white background.

Color Contrast Check

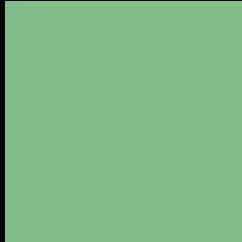
Large Text (above 18pt) WCAG AA × Fail

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 31.9189, 42.9472, 30.2742 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

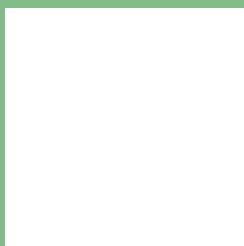
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9189, 42.9472, 30.2742

Background



This preview shows how black text looks on a background with the XYZ color 31.9189, 42.9472, 30.2742.



This preview shows how white text looks on a background with the XYZ color 31.9189, 42.9472,

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

31.9189, 42.9472, 30.2742

Protanopia

39.6588, 42.4486, 27.2222

Deuteranopia

43.5137, 42.6548, 31.5310



Tritanopia

37.4722, 42.6960, 58.4907

Trichromacy



Original Color

31.9189, 42.9472, 30.2742

Protanomaly

36.0796, 42.0406, 28.4034

Deuteranomaly

38.1635, 42.1742, 30.9400

Tritanomaly

35.1949, 42.6945, 46.9433

Monochromacy



Original Color

31.9189, 42.9472, 30.2742

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.0013, 39.3141, 36.8067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9189, 42.9472, 30.2742 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(130, 189, 137)` looks like.

```
.text, #text, p{  
    color:rgb(130, 189, 137)  
}
```

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(130, 189, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 189, 137) }
```

Border

The CSS property to change the border of an element to XYZ 31.9189, 42.9472, 30.2742 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(130, 189, 137) }
```


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

```
.border{ border-color:rgb(130, 189, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 189, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 189, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 189, 137);  
box-shadow:4px 4px 4px 4px rgb(130, 189,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9189, 42.9472, 30.2742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 189, 137) }
```

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

```
.background{ background-color: rgb(130,  
189, 137) }
```

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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