

Converting Colors

XYZ(31.0301, 42.3934, 27.5322)

Have a look what the booklet for
XYZ(31.0301, 42.3934, 27.5322)
contains.

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Color

**XYZ(31.1289, 42.5961,
27.7003)**

Conversions

Conversions Part 1

Format	Color
Hex	80BD82
RGB	128, 189, 130
RGB Percent	50%, 74%, 51%
CMY	0.4980, 0.2588, 0.4902
CMYK	0.32, 0.00, 0.31, 0.26
HSL	122°, 32%, 62%
HSV	122°, 32%, 74%
XYZ	31.1289, 42.5961, 27.7003
YIQ	164.0350, -17.4170, -31.2810

Conversions

Conversions Part 2

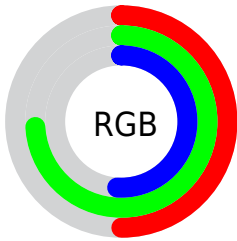
Format	Color
RYB	128, 187, 189
Decimal	8437122
CIELab	71.28, -31.56, 23.76
CIELCh	71, 39.498, 143.028
Yxy	42.5961, 0.3069, 0.4200
Android (android.graphics.Color)	4286627202 (0xFF80BD82)
YUV	164.0350, -16.7793, -31.6027
Hunter-Lab	65.2657, -29.0782, 20.5219

Details

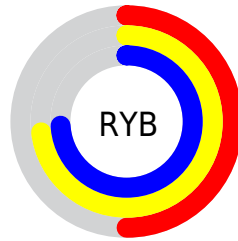
The XYZ color **31.1289, 42.5961, 27.7003** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.6764, 29.8458, 50.7902**, and the grayscale version is **35.3874, 37.2303, 40.5438**.

A 20% lighter version of the original color is **60.7944, 79.2755, 56.8972**, and **13.0924, 19.4436, 10.6524** is the 20% darker color. If you saturate the color by 10%, you get **27.4266, 40.8181, 21.6812**, and if you desaturate by 10%, it is **35.5810, 44.7379, 34.8942**.

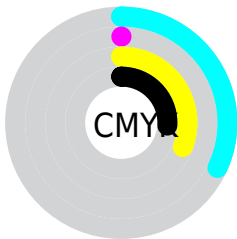
Distribution



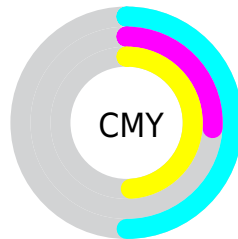
- Red (50%)
- Green (74%)
- Blue (51%)



- Red (50%)
- Yellow (73%)
- Blue (74%)



- Cyan (32%)
- Magenta (0%)
- Yellow (31%)
- Black (26%)



- Cyan (50%)
- Magenta (26%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1289, 42.5961, 27.7003 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 31.1289, 42.5961, 27.7003 by changing the saturation by 10% instead.

■ 31.1289, 42.5961,
27.7003

■ 31.1289, 42.5961,
27.7003

298.9480,
356.9481, 304.8988

■ 20.8493, 29.5683,
17.8628

■ 60.8174, 79.1010,
57.0229

■ 13.1257, 19.5112,
10.6831

■ 80.9571, 103.3469,
77.3451

■ 7.5928, 12.0402,
5.7427

■ 105.1141,
132.1010, 101.9993

■ 3.8851, 6.7711,
2.6230

133.6540,
165.7477, 131.4040

■ 1.6373, 3.3193,
0.9043

166.9419,
204.6714, 165.9778

■ 0.4166, 1.3006,
0.0000

205.3433,

■ 0.0000, 0.1417,

249.2564, 206.1391

0.0000

249.2236,
299.8872, 252.3066

■ 0.0000, 0.0000,
0.0000

■ 31.1289, 42.5961,
27.7003

■ 31.1289, 42.5961,
27.7003

■ 27.4266, 40.8181,
21.6812

■ 35.5810, 44.7379,
34.8942

■ 24.4297, 39.3788,
16.7720

■ 40.8174, 47.2563,
43.3176

■ 22.0945, 38.2581,
12.9056


■ 46.8745, 50.1703,
53.0253


■ 20.3708, 37.4318,
10.0067


■ 53.7855, 53.4958,
64.0678


■ 19.2013, 36.8724,
7.9900

■ 61.5818, 57.2480,
76.4930

 18.5181, 36.5468,
6.7551

 70.2930, 61.4412,
90.3465

 18.2324, 36.4105,
6.2450

 77.4885, 64.8769,
103.0462

Harmonies

Analogous

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



35.6999, 42.5961, 20.2345



31.1289, 42.5961, 27.7003



29.1018, 42.5961, 42.0869

Triad

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



31.1289, 42.5961, 27.7003



38.9582, 42.5961, 92.8960



53.3927, 42.5961, 33.5100

Complementary

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



31.1289, 42.5961, 27.7003



37.6764, 29.8458, 50.7902

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.



54.5091, 42.5961, 50.9554



31.1289, 42.5961, 27.7003



45.6825, 42.5961, 88.7635

Square

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



31.1289, 42.5961, 27.7003



33.2910, 42.5961, 82.1043



51.5529, 42.5961, 71.9941



48.6501, 42.5961, 22.8929

Rectangle

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



31.1289, 42.5961, 27.7003



29.2899, 42.5961, 55.1099



51.5529, 42.5961, 71.9941



54.2243, 42.5961, 38.6243

Sweetspot

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



31.1300, 42.5979, 27.7012



75.2716, 85.6765, 81.0626



42.8307, 48.6452, 27.5543



15.8752, 18.2745, 16.9321



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.



31.1300, 42.5979, 27.7012



50.7516, 73.8864, 41.4904



33.4038, 43.5074, 39.6747



9.4211, 10.6546, 10.2012



12.2723, 24.4992, 4.2310



0.4851, 0.9614, 0.1888

Inverse Universe

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



37.6764, 29.8458, 50.7902



64.3630, 47.3662, 89.4933



34.8338, 28.7087, 35.8214



9.9161, 9.6907, 11.9471



19.8628, 9.5763, 30.9009



0.7823, 0.3768, 1.2329

Previews

White Background



This preview shows how the XYZ color 31.1289, 42.5961, 27.7003 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 31.1289, 42.5961, 27.7003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

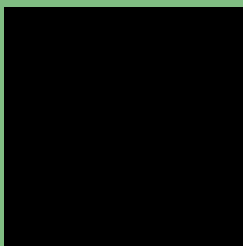
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

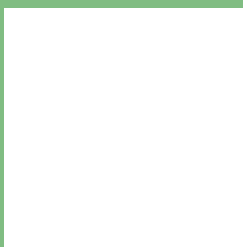
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1289, 42.5961, 27.7003

Background



This preview shows how black text looks on a background with the XYZ color 31.1289, 42.5961, 27.7003.



This preview shows how white text looks on a background with the XYZ color 31.1289, 42.5961,

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

31.1289, 42.5961, 27.7003

Protanopia

39.2047, 42.2670, 24.8309

Deuteranopia

43.0937, 42.2241, 28.8004



Tritanopia

37.1894, 42.5633, 57.8852

Trichromacy



Original Color

31.1289, 42.5961, 27.7003

Protanomaly

35.6119, 41.8535, 25.9403

Deuteranomaly

37.4681, 41.5835, 28.2419

Tritanomaly

34.6445, 42.4555, 44.8968

Monochromacy



Original Color

31.1289, 42.5961, 27.7003

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.3736, 38.7334, 35.4231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1289, 42.5961, 27.7003 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(128, 189, 130)` looks like.

```
.text, #text, p{  
    color:rgb(128, 189, 130)  
}
```

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(128, 189, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 189, 130) }
```

Border

The CSS property to change the border of an element to XYZ 31.1289, 42.5961, 27.7003 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(128, 189, 130) }
```


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

```
.border{ border-color:rgb(128, 189, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 189, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 189, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 189, 130);  
box-shadow:4px 4px 4px 4px rgb(128, 189,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1289, 42.5961, 27.7003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 189, 130) }
```

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

```
.background{ background-color: rgb(128,  
189, 130) }
```

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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