

Converting Colors

XYZ(29.8955, 40.0074, 27.4013)

Have a look what the booklet for
XYZ(29.8955, 40.0074, 27.4013)
contains.

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Color

**XYZ(29.8648, 40.0679,
27.2789)**

Conversions

Conversions Part 1

Format	Color
Hex	80B782
RGB	128, 183, 130
RGB Percent	50%, 72%, 51%
CMY	0.4980, 0.2823, 0.4902
CMYK	0.30, 0.00, 0.29, 0.28
HSL	122°, 28%, 61%
HSV	122°, 30%, 72%
XYZ	29.8648, 40.0679, 27.2789
YIQ	160.5130, -15.7670, -28.1430

Conversions

Conversions Part 2

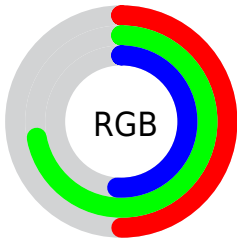
Format	Color
RYB	128, 181, 183
Decimal	8435586
CIELab	69.52, -28.69, 21.36
CIElCh	70, 35.771, 143.329
Yxy	40.0679, 0.3072, 0.4122
Android (android.graphics.Color)	4286625666 (0xFF80B782)
YUV	160.5130, -15.0429, -28.5139
Hunter-Lab	63.2992, -26.5567, 18.7583

Details

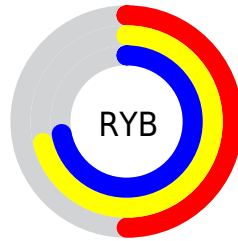
The XYZ color **29.8648, 40.0679, 27.2789** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.5894, 28.8426, 47.4090**, and the grayscale version is **33.7240, 35.4803, 38.6380**.

A 20% lighter version of the original color is **58.7051, 75.0970, 56.2008**, and **12.4912, 18.1222, 10.4290** is the 20% darker color. If you saturate the color by 10%, you get **26.2726, 38.3424, 21.4527**, and if you desaturate by 10%, it is **34.1585, 42.1338, 34.1986**.

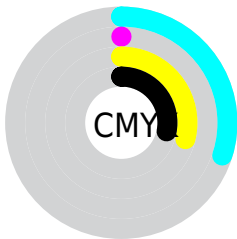
Distribution



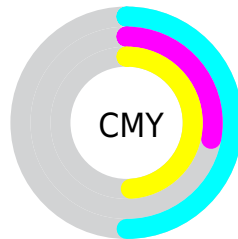
- Red (50%)
- Green (72%)
- Blue (51%)



- Red (50%)
- Yellow (71%)
- Blue (72%)



- Cyan (30%)
- Magenta (0%)
- Yellow (29%)
- Black (28%)





- Cyan (50%)
- Magenta (28%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8648, 40.0679, 27.2789 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 29.8648, 40.0679, 27.2789 by changing the saturation by 10% instead.

 29.8648, 40.0679,
27.2789


 29.8648, 40.0679,
27.2789


293.1949,
346.4097, 302.8078


 19.8836, 27.5915,
17.5485


 58.8364, 75.2669,
56.3403

 12.4182, 18.0179,
10.4603


 78.5575, 98.7583,
76.5083

 7.1034, 10.9629,
5.5956


 102.2558,
126.6901, 100.9926

 3.5737, 6.0419,
2.5360

130.2969,
159.4468, 130.2118

 1.4639, 2.8706,
0.8591

163.0460,
197.4126, 164.5844

 0.3011, 1.0645,
0.0000

200.8684,

 0.0000, 0.0000,

240.9722, 204.5289

0.0000

244.1296,
290.5097, 250.4638

■ 29.8648, 40.0679,
27.2789

■ 29.8648, 40.0679,
27.2789

■ 26.2726, 38.3424,
21.4527

■ 34.1585, 42.1338,
34.1986

■ 23.3416, 36.9345,
16.6617

■ 39.1848, 44.5517,
42.2608

■ 21.0325, 35.8262,
12.8459


■ 44.9768, 47.3388,
51.5149


■ 19.3004, 34.9958,
9.9386


■ 51.5646, 50.5096,
62.0066


■ 18.0942, 34.4187,
7.8643

■ 58.9769, 54.0778,
73.7792

 17.3544, 34.0659,
6.5355

 67.2407, 58.0567,
86.8737

 16.9708, 33.8832,
5.8369

 75.9747, 62.2488,
101.3105

 76.2243, 62.3486,
102.6248

Harmonies

Analogous

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



33.8592, 40.0679, 20.4835



29.8648, 40.0679, 27.2789



28.0986, 40.0679, 40.0417

Triad

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



29.8648, 40.0679, 27.2789



36.8099, 40.0679, 83.3745



49.1981, 40.0679, 32.2220

Complementary

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



29.8648, 40.0679, 27.2789



35.5894, 28.8426, 47.4090

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.



50.1909, 40.0679, 47.4204



29.8648, 40.0679, 27.2789



42.6449, 40.0679, 79.7612

Square

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



29.8648, 40.0679, 27.2789



31.8383, 40.0679, 74.3726



47.6862, 40.0679, 65.4704



45.0958, 40.0679, 22.7933

Rectangle

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



29.8648, 40.0679, 27.2789



28.2816, 40.0679, 51.3648



47.6862, 40.0679, 65.4704



49.9225, 40.0679, 36.7084

Sweetspot

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



29.8658, 40.0696, 27.2798



71.0596, 80.2128, 77.0990



39.9267, 45.2715, 27.0562



15.3834, 17.5667, 16.5302



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



29.8658, 40.0696, 27.2798



49.1411, 69.6717, 41.8164



31.9510, 40.9036, 38.2600



8.9032, 10.0653, 9.6478



11.8441, 23.6386, 4.1010



0.4220, 0.8351, 0.1683

Inverse Universe

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



35.5894, 28.8426, 47.4090



61.0247, 46.3572, 83.6065



33.0538, 27.8283, 34.0567



9.3664, 9.1569, 11.2771



19.1196, 9.2216, 29.5803



0.6784, 0.3269, 1.0660

Previews

White Background



This preview shows how the XYZ color 29.8648, 40.0679, 27.2789 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 29.8648, 40.0679, 27.2789 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 29.8648, 40.0679, 27.2789

Background



This preview shows how black text looks on a background with the XYZ color 29.8648, 40.0679, 27.2789.



This preview shows how white text looks on a background with the XYZ color 29.8648, 40.0679,

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

29.8648, 40.0679, 27.2789

Protanopia

37.1175, 39.7763, 24.7901

Deuteranopia

40.2494, 39.4322, 28.0441



Tritanopia

35.1627, 39.8230, 53.9775

Trichromacy



Original Color

29.8648, 40.0679, 27.2789

Protanomaly

33.8022, 39.4598, 25.5736

Deuteranomaly

35.6216, 39.2136, 27.8818

Tritanomaly

32.9800, 39.8188, 42.9934

Monochromacy



Original Color

29.8648, 40.0679, 27.2789

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.0874, 36.9675, 34.2984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8648, 40.0679, 27.2789 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, 183, 130)` looks like.

```
.text, #text, p{  
    color:rgb(128, 183, 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, 183, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 183, 130) }
```

Border

The CSS property to change the border of an element to XYZ 29.8648, 40.0679, 27.2789 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, 183, 130) }
```


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

```
.border{ border-color:rgb(128, 183, 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, 183, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 183, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 183, 130);  
box-shadow:4px 4px 4px 4px rgb(128, 183,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8648, 40.0679, 27.2789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 183, 130) }
```

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

```
.background{ background-color: rgb(128,  
183, 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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