

Converting Colors

XYZ(29.4307, 41.0841, 27.6166)

Have a look what the booklet for
XYZ(29.4307, 41.0841, 27.6166)
contains.

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Color

**XYZ(29.4073, 41.0743,
27.4973)**

Conversions

Conversions Part 1

Format	Color
Hex	77BB82
RGB	119, 187, 130
RGB Percent	47%, 73%, 51%
CMY	0.5333, 0.2667, 0.4902
CMYK	0.36, 0.00, 0.30, 0.27
HSL	130°, 33%, 60%
HSV	130°, 36%, 73%
XYZ	29.4073, 41.0743, 27.4973
YIQ	160.1700, -22.2310, -32.1430

Conversions

Conversions Part 2

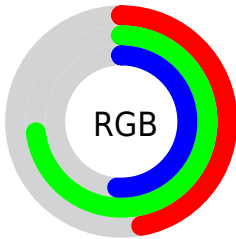
Format	Color
RYB	119, 178, 187
Decimal	7846786
CIELab	70.23, -33.50, 22.25
CIELCh	70, 40.214, 146.404
Yxy	41.0743, 0.3001, 0.4192
Android (android.graphics.Color)	4286036866 (0xFF77BB82)
YUV	160.1700, -14.8738, -36.1061
Hunter-Lab	64.0892, -30.2516, 19.4243

Details

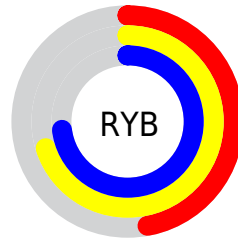
The XYZ color **29.4073, 41.0743, 27.4973** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **34.9281, 26.8938, 44.4258**, and the grayscale version is **33.5667, 35.3148, 38.4578**.

A 20% lighter version of the original color is **58.1315, 77.0045, 56.5992**, and **12.1502, 18.5475, 10.5291** is the 20% darker color. If you saturate the color by 10%, you get **26.1158, 39.4911, 22.2634**, and if you desaturate by 10%, it is **33.3662, 42.9854, 33.6010**.

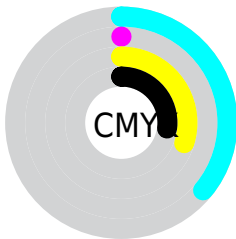
Distribution



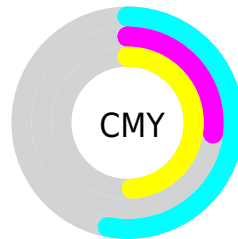
- Red (47%)
- Green (73%)
- Blue (51%)



- Red (47%)
- Yellow (70%)
- Blue (73%)



- Cyan (36%)
- Magenta (0%)
- Yellow (30%)
- Black (27%)



- Cyan (53%)
- Magenta (27%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4073, 41.0743, 27.4973 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 29.4073, 41.0743, 27.4973 by changing the saturation by 10% instead.

■ 29.4073, 41.0743,
27.4973

■ 29.4073, 41.0743,
27.4973

291.0915,
350.6311, 303.8930

■ 19.5350, 28.3771,
17.7113

■ 58.1167, 76.7967,
56.6943

■ 12.1638, 18.6102,
10.5756

■ 77.6844, 100.5907,
76.9423

■ 6.9283, 11.3889,
5.6717

■ 101.2147,
128.8524, 101.5148

■ 3.4632, 6.3291,
2.5810

129.0729,
161.9663, 130.8303

■ 1.4032, 3.0462,
0.8826

161.6243,
200.3167, 165.3073

■ 0.2585, 1.1559,
0.0000

199.2343,

■ 0.0000, 0.0252,

244.2880, 205.3644

0.0000

242.2683,
294.2647, 251.4201

■ 0.0000, 0.0000,
0.0000

■ 29.4073, 41.0743,
27.4973

■ 29.4073, 41.0743,
27.4973

■ 26.1158, 39.4911,
22.2634

■ 33.3662, 42.9854,
33.6010

■ 23.4516, 38.2124,
17.8569

■ 38.0234, 45.2360,
40.6086

■ 21.3750, 37.2199,
14.2364


■ 43.4117, 47.8434,
48.5559


■ 19.8406, 36.4910,
11.3555


■ 49.5610, 50.8224,
57.4758


■ 18.7959, 35.9999,
9.1629


■ 56.4993, 54.1868,
67.3996

 18.1739, 35.7132,
7.6006

 64.2534, 57.9497,
78.3574

 18.0087, 35.6373,
7.1748

 72.8486, 62.1235,
90.3778

 77.0611, 64.0223,
102.9037

Harmonies

Analogous

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



33.6714, 41.0743, 19.4565



29.4073, 41.0743, 27.4973



27.7094, 41.0743, 42.4852

Triad

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



29.4073, 41.0743, 27.4973



38.2505, 41.0743, 91.6011



51.5254, 41.0743, 30.4475

Complementary

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



29.4073, 41.0743, 27.4973



34.9281, 26.8938, 44.4258

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.



53.1018, 41.0743, 47.0379



29.4073, 41.0743, 27.4973



44.9506, 41.0743, 85.7399

Square

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



29.4073, 41.0743, 27.4973



32.4395, 41.0743, 82.2751



50.5751, 41.0743, 67.9598



46.4799, 41.0743, 20.7928

Rectangle

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



29.4073, 41.0743, 27.4973



28.1018, 41.0743, 55.7750



50.5751, 41.0743, 67.9598



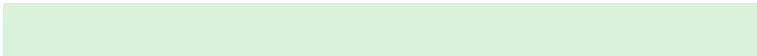
52.5014, 41.0743, 35.2367

Sweetspot

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



29.4084, 41.0760, 27.4982



72.9350, 83.3544, 79.8949



39.1877, 46.1982, 24.3047



15.7744, 18.2171, 17.1704



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.



29.4084, 41.0760, 27.4982



47.6666, 71.1557, 41.3174



32.0080, 42.1159, 41.1878



9.4701, 10.6741, 10.4588



12.4257, 24.5606, 5.0384



0.5067, 0.9701, 0.3027

Inverse Universe

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



34.9281, 26.8938, 44.4258



59.0517, 41.8708, 76.2083



32.0343, 25.7363, 29.1871



9.8619, 9.6690, 11.6616



18.3210, 8.9596, 22.7818



0.7357, 0.3582, 0.9872

Previews

White Background



This preview shows how the XYZ color 29.4073, 41.0743, 27.4973 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 29.4073, 41.0743, 27.4973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

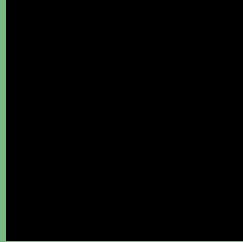
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.4073, 41.0743, 27.4973

Background



This preview shows how black text looks on a background with the XYZ color 29.4073, 41.0743, 27.4973.



This preview shows how white text looks on a background with the XYZ color 29.4073, 41.0743,

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

29.4073, 41.0743, 27.4973

Protanopia

37.9052, 40.7462, 24.6059

Deuteranopia

41.4681, 40.5795, 28.5687



Tritanopia

35.2615, 40.9960, 56.5066

Trichromacy



Original Color

29.4073, 41.0743, 27.4973

Protanomaly

33.9852, 40.4242, 25.7501

Deuteranomaly

35.7807, 39.8564, 27.9975

Tritanomaly

32.7360, 40.8702, 44.1936

Monochromacy



Original Color

29.4073, 41.0743, 27.4973

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.4766, 36.9391, 33.9047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4073, 41.0743, 27.4973 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(119, 187, 130)` looks like.

```
.text, #text, p{  
    color:rgb(119, 187, 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(119, 187, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 187, 130) }
```

Border

The CSS property to change the border of an element to XYZ 29.4073, 41.0743, 27.4973 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(119, 187, 130) }
```


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

```
.border{ border-color:rgb(119, 187, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 187, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 187, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 187, 130);  
box-shadow:4px 4px 4px 4px rgb(119, 187,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4073, 41.0743, 27.4973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 187, 130) }
```

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

```
.background{ background-color: rgb(119,  
187, 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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