

Converting Colors

XYZ(29.9190, 41.4028, 30.0646)

Have a look what the booklet for
XYZ(29.9190, 41.4028, 30.0646)
contains.

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Color

**XYZ(29.8934, 41.2687,
30.0570)**

Conversions

Conversions Part 1

Format	Color
Hex	77BB89
RGB	119, 187, 137
RGB Percent	47%, 73%, 54%
CMY	0.5333, 0.2667, 0.4627
CMYK	0.36, 0.00, 0.27, 0.27
HSL	136°, 33%, 60%
HSV	136°, 36%, 73%
XYZ	29.8934, 41.2687, 30.0570
YIQ	160.9680, -24.4780, -29.9660

Conversions

Conversions Part 2

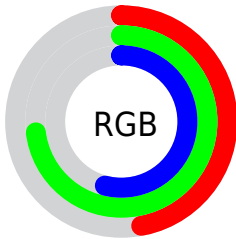
Format	Color
RYB	119, 173, 187
Decimal	7846793
CIELab	70.36, -32.23, 18.68
CIELCh	70, 37.250, 149.905
Yxy	41.2687, 0.2953, 0.4077
Android (android.graphics.Color)	4286036873 (0xFF77BB89)
YUV	160.9680, -11.8162, -36.8059
Hunter-Lab	64.2407, -29.3591, 17.2278

Details

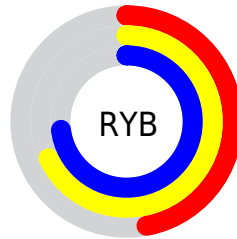
The XYZ color **29.8934, 41.2687, 30.0570** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **34.2531, 26.6239, 40.8713**, and the grayscale version is **33.9236, 35.6902, 38.8667**.

A 20% lighter version of the original color is **58.9882, 77.3472, 61.1107**, and **12.4226, 18.6565, 11.9631** is the 20% darker color. If you saturate the color by 10%, you get **26.6509, 39.7051, 25.0807**, and if you desaturate by 10%, it is **33.7688, 43.1464, 35.7209**.

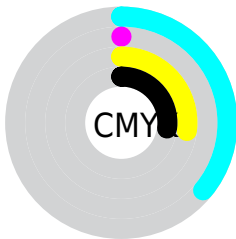
Distribution



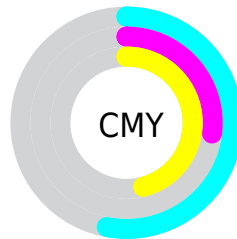
- Red (47%)
- Green (73%)
- Blue (54%)



- Red (47%)
- Yellow (68%)
- Blue (73%)



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



- Cyan (53%)
- Magenta (27%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8934, 41.2687, 30.0570 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 29.8934, 41.2687, 30.0570 by changing the saturation by 10% instead.

■ 29.8934, 41.2687,
30.0570

■ 29.8934, 41.2687,
30.0570

293.3260,
351.4424, 316.3856

■ 19.9054, 28.5291,
19.6294

■ 58.8813, 77.0916,
60.8144

■ 12.4341, 18.7249,
11.9446

■ 78.6120, 100.9437,
81.9813

■ 7.1144, 11.4717,
6.5839

■ 102.3208,
129.2688, 107.5650

■ 3.5807, 6.3850,
3.1288

130.3732,
162.4512, 137.9842

■ 1.4678, 3.0806,
1.1608

163.1346,
200.8754, 173.6573

■ 0.3037, 1.1739,
0.0000

200.9703,

■ 0.0000, 0.0403,

244.9257, 215.0029

0.0000

244.2456,
294.9866, 262.4395

■ 0.0000, 0.0000,
0.0000

■ 29.8934, 41.2687,
30.0570

■ 29.8934, 41.2687,
30.0570

■ 26.6509, 39.7051,
25.0807

■ 33.7688, 43.1464,
35.7209

■ 24.0035, 38.4331,
20.7630

■ 38.3056, 45.3488,
42.0945

■ 21.9145, 37.4356,
17.0770


■ 43.5345, 47.8925,
49.2022


■ 20.3414, 36.6913,
13.9928


■ 49.4834, 50.7913,
57.0665


■ 19.2355, 36.1757,
11.4777


■ 56.1783, 54.0584,
65.7089


 18.5339, 35.8571,
9.4962

 63.6444, 57.7060,
75.1499

 18.3361, 35.7682,
8.8990

 71.9052, 61.7461,
85.4094

 75.8002, 63.5179,
96.2641

 77.0611, 64.0222,
102.9037

Harmonies

Analogous

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



33.6420, 41.2687, 21.5826



29.8934, 41.2687, 30.0570



28.5885, 41.2687, 44.8786

Triad

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



29.8934, 41.2687, 30.0570



39.2051, 41.2687, 87.7978



50.3431, 41.2687, 30.1313

Complementary

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



29.8934, 41.2687, 30.0570



34.2531, 26.6239, 40.8713

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.



52.2175, 41.2687, 44.9906



29.8934, 41.2687, 30.0570



45.3931, 41.2687, 80.9655

Square

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



29.8934, 41.2687, 30.0570



33.6114, 41.2687, 80.8826



50.3200, 41.2687, 64.0547



45.4304, 41.2687, 21.6169

Rectangle

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



29.8934, 41.2687, 30.0570



29.1620, 41.2687, 57.4216



50.3200, 41.2687, 64.0547



51.3708, 41.2687, 34.4033

Sweetspot

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



29.8945, 41.2704, 30.0579



73.3012, 83.5008, 81.8231



37.6792, 45.4205, 24.2343



15.8635, 18.2528, 17.6395



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.



29.8945, 41.2704, 30.0579



48.6143, 71.5348, 46.3081



32.6350, 42.3666, 44.4892



9.5097, 10.6900, 10.6676



12.6592, 24.6539, 6.2679



0.5240, 0.9770, 0.3936

Inverse Universe

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



34.2531, 26.6239, 40.8713



57.6023, 41.2911, 68.5759



31.5354, 25.5368, 26.5602



9.8192, 9.6520, 11.4369



17.2872, 8.5460, 17.3379



0.7028, 0.3450, 0.8141

Previews

White Background



This preview shows how the XYZ color 29.8934, 41.2687, 30.0570 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 29.8934, 41.2687, 30.0570 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 29.8934, 41.2687, 30.0570

Background



This preview shows how black text looks on a background with the XYZ color 29.8934, 41.2687, 30.0570.



This preview shows how white text looks on a background with the XYZ color 29.8934, 41.2687,

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

29.8934, 41.2687, 30.0570

Protanopia

38.1206, 40.8048, 26.9860

Deuteranopia

41.6263, 40.8690, 31.2858



Tritanopia

35.4189, 41.3629, 57.1560

Trichromacy



Original Color

29.8934, 41.2687, 30.0570

Protanomaly

34.4530, 40.6113, 28.2132

Deuteranomaly

36.0394, 40.2156, 30.6739

Tritanomaly

33.2287, 41.3961, 45.7741

Monochromacy



Original Color

29.8934, 41.2687, 30.0570

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

31.8963, 37.1274, 35.1910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8934, 41.2687, 30.0570 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(119, 187, 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(119, 187, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 187, 137) }
```

Border

The CSS property to change the border of an element to XYZ 29.8934, 41.2687, 30.0570 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, 137) }
```


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

```
.border{ border-color:rgb(119, 187, 137) }
```

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, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 187, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 187, 137);  
box-shadow:4px 4px 4px 4px rgb(119, 187,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8934, 41.2687, 30.0570 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, 137) }
```

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

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