

Converting Colors

XYZ(29.7138, 42.3848, 29.8241)

Have a look what the booklet for
XYZ(29.7138, 42.3848, 29.8241)
contains.

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Color

**XYZ(29.7568, 42.4839,
29.9244)**

Conversions

Conversions Part 1

Format	Color
Hex	70BF88
RGB	112, 191, 136
RGB Percent	44%, 75%, 53%
CMY	0.5608, 0.2510, 0.4667
CMYK	0.41, 0.00, 0.29, 0.25
HSL	138°, 38%, 59%
HSV	138°, 41%, 75%
XYZ	29.7568, 42.4839, 29.9244
YIQ	161.1090, -29.4290, -33.8530

Conversions

Conversions Part 2

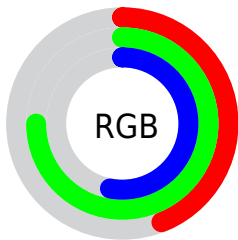
Format	Color
RYB	112, 173, 191
Decimal	7389064
CIELab	71.20, -36.37, 20.32
CIElCh	71, 41.657, 150.808
Yxy	42.4839, 0.2913, 0.4158
Android (android.graphics.Color)	4285579144 (0xFF70BF88)
YUV	161.1090, -12.3787, -43.0686
Hunter-Lab	65.1797, -32.5729, 18.4054

Details

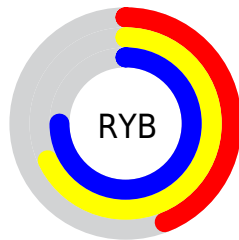
The XYZ color **29.7568, 42.4839, 29.9244** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **34.2564, 25.4556, 39.6687**, and the grayscale version is **33.9934, 35.7637, 38.9466**.

A 20% lighter version of the original color is **58.7980, 79.0680, 60.8779**, and **12.3703, 19.4627, 11.9088** is the 20% darker color. If you saturate the color by 10%, you get **26.6924, 41.0079, 25.1504**, and if you desaturate by 10%, it is **33.4562, 44.2761, 35.3421**.

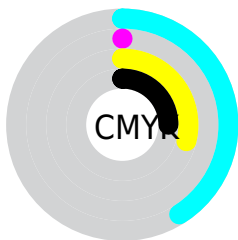
Distribution



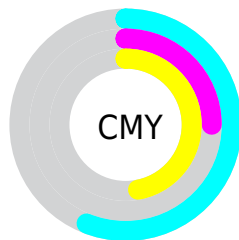
- Red (44%)
- Green (75%)
- Blue (53%)



- Red (44%)
- Yellow (68%)
- Blue (75%)



- Cyan (41%)
- Magenta (0%)
- Yellow (29%)
- Black (25%)



- Cyan (56%)
- Magenta (25%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7568, 42.4839, 29.9244 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 29.7568, 42.4839, 29.9244 by changing the saturation by 10% instead.

■ 29.7568, 42.4839,
29.9244

■ 29.7568, 42.4839,
29.9244

292.6994,
356.4850, 315.7482

■ 19.8012, 29.4804,
19.5296

■ 58.6666, 78.9315,
60.6022

■ 12.3581, 19.4445,
11.8729

■ 78.3516, 103.1443,
81.7223

■ 7.0619, 11.9919,
6.5357

■ 102.0104,
131.8624, 107.2546

■ 3.5475, 6.7382,
3.0995

130.0084,
165.4701, 137.6177

■ 1.4495, 3.2989,
1.1457

162.7109,
204.3518, 173.2301

■ 0.2911, 1.2897,
0.0000

200.4834,

■ 0.0000, 0.1332,

248.8919, 214.5102

0.0000

243.6911,
299.4748, 261.8768

■ 0.0000, 0.0000,
0.0000

■ 29.7568, 42.4839,
29.9244

■ 29.7568, 42.4839,
29.9244

■ 26.6924, 41.0079,
25.1504

■ 33.4562, 44.2761,
35.3421

■ 24.2226, 39.8240,
20.9931

■ 37.8213, 46.3963,
41.4235

■ 22.3071, 38.9135,
17.4279


■ 42.8848, 48.8621,
48.1910


■ 20.8993, 38.2527,
14.4273

■ 48.6763, 51.6883,
55.6653


■ 19.9441, 37.8139,
11.9617


■ 55.2234, 54.8887,
63.8662

 19.3960, 37.5690,
10.2357

 62.5526, 58.4766,
72.8127

 70.6887, 62.4645,
82.5230

 75.9564, 64.9571,
92.8418

 77.9216, 65.7432,
103.1905

Harmonies

Analogous

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



33.8866, 42.4839, 20.4691



29.7568, 42.4839, 29.9244



28.3882, 42.4839, 46.8018

Triad

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



29.7568, 42.4839, 29.9244



40.5692, 42.4839, 96.3379



53.0431, 42.4839, 29.2278

Complementary

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



29.7568, 42.4839, 29.9244



34.2564, 25.4556, 39.6687

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.



55.3463, 42.4839, 45.7179



29.7568, 42.4839, 29.9244



47.6533, 42.4839, 87.7638

Square

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



29.7568, 42.4839, 29.9244



34.1791, 42.4839, 88.5970



53.2704, 42.4839, 67.6597



47.2882, 42.4839, 20.1561

Rectangle

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



29.7568, 42.4839, 29.9244



29.0851, 42.4839, 61.3046



53.2704, 42.4839, 67.6597



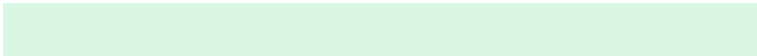
54.2745, 42.4839, 33.8995

Sweetspot

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



29.7579, 42.4857, 29.9254



76.0039, 87.1188, 85.2552



37.5567, 46.6816, 22.3606



16.4136, 18.9959, 18.3568



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



29.7579, 42.4857, 29.9254



48.0880, 73.5786, 45.5000



33.0717, 43.8112, 47.3755



9.5249, 10.6961, 10.7476



12.7780, 24.7015, 6.8939



0.5305, 0.9796, 0.4281

Inverse Universe

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



34.2564, 25.4556, 39.6687



57.2536, 38.8139, 65.3022



31.1643, 24.2188, 23.3859



9.8031, 9.6456, 11.3524



16.9385, 8.4066, 15.5017



0.6913, 0.3404, 0.7536

Previews

White Background



This preview shows how the XYZ color 29.7568, 42.4839, 29.9244 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 29.7568, 42.4839, 29.9244 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 29.7568, 42.4839, 29.9244

Background



This preview shows how black text looks on a background with the XYZ color 29.7568, 42.4839, 29.9244.



This preview shows how white text looks on a background with the XYZ color 29.7568, 42.4839,

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

29.7568, 42.4839, 29.9244

Protanopia

39.0896, 41.8848, 26.4464

Deuteranopia

42.7138, 41.9780, 31.0506



Tritanopia

35.7307, 42.3798, 59.7230

Trichromacy



Original Color

29.7568, 42.4839, 29.9244



Protanomaly

34.7161, 41.6521, 27.6827



Deuteranomaly

36.5477, 41.3498, 30.4811



Tritanomaly

33.1819, 42.2779, 46.9690

Monochromacy



Original Color

29.7568, 42.4839, 29.9244



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.7477, 37.6117, 35.2923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7568, 42.4839, 29.9244 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(112, 191, 136)` looks like.

```
.text, #text, p{  
    color:rgb(112, 191, 136)  
}
```

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(112, 191, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 191, 136) }
```

Border

The CSS property to change the border of an element to XYZ 29.7568, 42.4839, 29.9244 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(112, 191, 136) }
```


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

```
.border{ border-color:rgb(112, 191, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 191, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 191, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 191, 136);  
box-shadow:4px 4px 4px 4px rgb(112, 191,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7568, 42.4839, 29.9244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 191, 136) }
```

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

```
.background{ background-color: rgb(112,  
191, 136) }
```

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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