

Converting Colors

XYZ(29.9048, 42.3964, 30.6215)

Have a look what the booklet for
XYZ(29.9048, 42.3964, 30.6215)
contains.

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Color

**XYZ(30.0283, 42.6073,
30.6861)**

Conversions

Conversions Part 1

Format	Color
Hex	71BF8A
RGB	113, 191, 138
RGB Percent	44%, 75%, 54%
CMY	0.5569, 0.2510, 0.4588
CMYK	0.41, 0.00, 0.28, 0.25
HSL	139°, 38%, 60%
HSV	139°, 41%, 75%
XYZ	30.0283, 42.6073, 30.6861
YIQ	161.6360, -29.4750, -33.0190

Conversions

Conversions Part 2

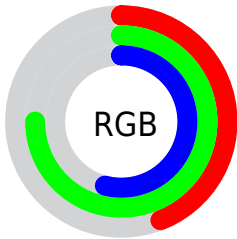
Format	Color
RYB	113, 172, 191
Decimal	7454602
CIELab	71.29, -35.70, 19.37
CIELCh	71, 40.616, 151.518
Yxy	42.6073, 0.2906, 0.4124
Android (android.graphics.Color)	4285644682 (0xFF71BF8A)
YUV	161.6360, -11.6525, -42.6538
Hunter-Lab	65.2743, -32.1141, 17.8192

Details

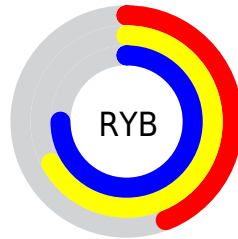
The XYZ color **30.0283, 42.6073, 30.6861** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **34.2753, 25.6407, 39.2207**, and the grayscale version is **34.2359, 36.0189, 39.2245**.

A 20% lighter version of the original color is **59.2303, 79.2654, 62.0472**, and **12.5107, 19.5257, 12.3420** is the 20% darker color. If you saturate the color by 10%, you get **26.9407, 41.1189, 25.9266**, and if you desaturate by 10%, it is **33.7476, 44.4107, 36.0632**.

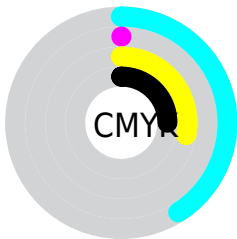
Distribution



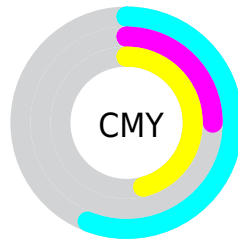
- Red (44%)
- Green (75%)
- Blue (54%)



- Red (44%)
- Yellow (67%)
- Blue (75%)



- Cyan (41%)
- Magenta (0%)
- Yellow (28%)
- Black (25%)





- Cyan (56%)
- Magenta (25%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.0283, 42.6073, 30.6861 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 30.0283, 42.6073, 30.6861 by changing the saturation by 10% instead.


 30.0283, 42.6073,
30.6861


 30.0283, 42.6073,
30.6861


293.9438,
356.9943, 319.3959


 20.0082, 29.5771,
20.1035


 59.0933, 79.1179,
61.8193

 12.5093, 19.5178,
12.2855


 78.8689, 103.3672,
83.2070

 7.1662, 12.0450,
6.8135


 102.6270,
132.1249, 109.0334

 3.6135, 6.7744,
3.2691

130.7331,
165.7754, 139.7171

 1.4859, 3.3214,
1.2336

163.5525,
204.7033, 175.6767

 0.3162, 1.3017,
0.0064

201.4505,

 0.0000, 0.1425,

249.2928, 217.3306

0.0000

244.7925,
299.9283, 265.0975

■ 0.0000, 0.0000,
0.0000

■ 30.0283, 42.6073,
30.6861

■ 30.0283, 42.6073,
30.6861

■ 26.9407, 41.1189,
25.9266

■ 33.7476, 44.4107,
36.0632

■ 24.4448, 39.9219,
21.7596

■ 38.1288, 46.5408,
42.0761

■ 22.5011, 38.9975,
18.1623


■ 43.2042, 49.0149,
48.7460


■ 21.0635, 38.3225,
15.1094


■ 49.0031, 51.8477,
56.0919


■ 20.0780, 37.8695,
12.5736


■ 55.5527, 55.0530,
64.1324

 19.4798, 37.6025,
10.6770

 62.8792, 58.6438,
72.8851

 71.0073, 62.6325,
82.3670

 75.8731, 64.9238,
92.4034

 77.8909, 65.7309,
103.0286

Harmonies

Analogous

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



34.0204, 42.6073, 21.1738



30.0283, 42.6073, 30.6861



28.7502, 42.6073, 47.3941

Triad

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



30.0283, 42.6073, 30.6861



40.8453, 42.6073, 94.9813



52.7380, 42.6073, 29.3965

Complementary

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



30.0283, 42.6073, 30.6861



34.2753, 25.6407, 39.2207

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.



55.0734, 42.6073, 45.4043



30.0283, 42.6073, 30.6861



47.7474, 42.6073, 86.3442

Square

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



30.0283, 42.6073, 30.6861



34.5589, 42.6073, 87.8582



53.1533, 42.6073, 66.7089



47.0790, 42.6073, 20.5895

Rectangle

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



30.0283, 42.6073, 30.6861



29.4801, 42.6073, 61.5780



53.1533, 42.6073, 66.7089



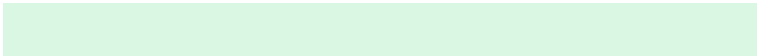
53.9646, 42.6073, 33.9338

Sweetspot

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



30.0294, 42.6091, 30.6871



76.0723, 87.1462, 85.6157



37.4018, 46.5953, 22.6457



16.4300, 19.0025, 18.4435



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.



30.0294, 42.6091, 30.6871



48.7850, 73.8991, 47.2874



33.3481, 43.9365, 48.1631



9.5314, 10.6987, 10.7820



12.8343, 24.7240, 7.1900



0.5333, 0.9807, 0.4428

Inverse Universe

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



34.2753, 25.6407, 39.2207



57.4085, 39.3765, 64.5749



31.2426, 24.4276, 23.2503



9.7963, 9.6428, 11.3164



16.7966, 8.3498, 14.7546



0.6865, 0.3385, 0.7286

Previews

White Background



This preview shows how the XYZ color 30.0283, 42.6073, 30.6861 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 30.0283, 42.6073, 30.6861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

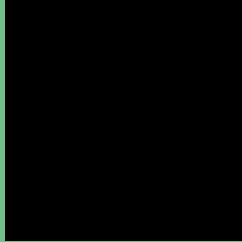
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.0283, 42.6073, 30.6861

Background



This preview shows how black text looks on a background with the XYZ color 30.0283, 42.6073, 30.6861.

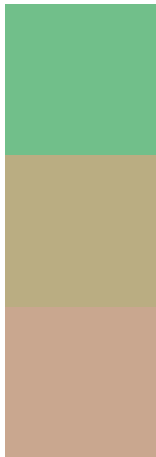


This preview shows how white text looks on a background with the XYZ color 30.0283, 42.6073,

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

30.0283, 42.6073, 30.6861

Protanopia

39.2225, 41.9379, 27.1467

Deuteranopia

42.8640, 42.0381, 31.8416



Tritanopia

35.7307, 42.3798, 59.7230

Trichromacy



Original Color

30.0283, 42.6073, 30.6861

Protanomaly

34.8530, 41.7069, 28.4036

Deuteranomaly

36.6952, 41.4088, 31.2579

Tritanomaly

33.2805, 42.3173, 47.4883

Monochromacy



Original Color

30.0283, 42.6073, 30.6861

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.1949, 38.1163, 35.7973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0283, 42.6073, 30.6861 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(113, 191, 138)` looks like.

```
.text, #text, p{  
    color:rgb(113, 191, 138)  
}
```

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(113, 191, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 191, 138) }
```

Border

The CSS property to change the border of an element to XYZ 30.0283, 42.6073, 30.6861 is called "border". The border property can be set on classes, ids or directly on the HTML element.

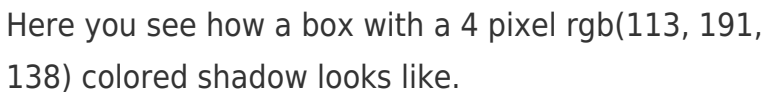
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(113, 191, 138) }
```


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

```
.border{ border-color:rgb(113, 191, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(113, 191, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 191, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 191, 138); box-shadow:4px 4px 4px 4px rgb(113, 191, 138) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0283, 42.6073, 30.6861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 191, 138) }
```

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

```
.background{ background-color: rgb(113,  
191, 138) }
```

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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