

# Converting Colors

XYZ(29.2410, 42.8855, 29.4389)

Have a look what the booklet for  
XYZ(29.2410, 42.8855, 29.4389)  
contains.

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# Color

**XYZ(29.1987, 42.8644,  
29.2890)**

# Conversions

## Conversions Part 1

Format	Color
Hex	69C186
RGB	105, 193, 134
RGB Percent	41%, 76%, 53%
CMY	0.5882, 0.2431, 0.4745
CMYK	0.46, 0.00, 0.31, 0.24
HSL	140°, 42%, 58%
HSV	140°, 46%, 76%
XYZ	29.1987, 42.8644, 29.2890
YIQ	159.9620, -33.5090, -37.0050

# Conversions

## Conversions Part 2

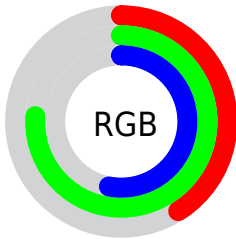
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">105, 171, 193</a>
Decimal	<a href="#">6930822</a>
CIELab	<a href="#">71.46, -39.62, 21.69</a>
CIELCh	<a href="#">71, 45.171, 151.299</a>
Yxy	<a href="#">42.8644, 0.2881, 0.4229</a>
Android (android.graphics.Color)	<a href="#">4285120902</a> (0xFF69C186)
YUV	<a href="#">159.9620, -12.7993, -48.2017</a>
Hunter-Lab	<a href="#">65.4709, -34.9667, 19.3057</a>

# Details

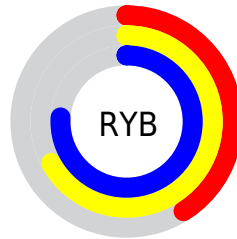
The XYZ color **29.1987, 42.8644, 29.2890** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **33.7461, 24.1218, 38.0007**, and the grayscale version is **33.4651, 35.2079, 38.3414**.

A 20% lighter version of the original color is **57.6525, 79.4327, 59.3071**, and **12.0995, 19.7583, 11.5635** is the 20% darker color. If you saturate the color by 10%, you get **26.3360, 41.4878, 24.7290**, and if you desaturate by 10%, it is **32.6885, 44.5539, 34.4568**.

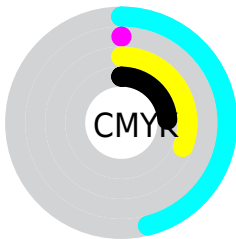
# Distribution



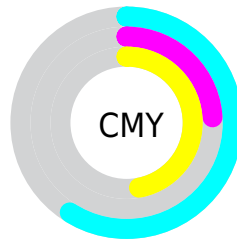
- Red (41%)
- Green (76%)
- Blue (53%)



- Red (41%)
- Yellow (67%)
- Blue (76%)



- Cyan (46%)
- Magenta (0%)
- Yellow (31%)
- Black (24%)




- Cyan (59%)
- Magenta (24%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1987, 42.8644, 29.2890 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 29.1987, 42.8644, 29.2890 by changing the saturation by 10% instead.





 29.1987, 42.8644,  
29.2890


 29.1987, 42.8644,  
29.2890


290.1286,  
358.0538, 312.6796


 19.3762, 29.7787,  
19.0521


 57.7880, 79.5062,  
59.5836


 12.0481, 19.6707,  
11.5307


 77.2856, 103.8311,  
80.4784

 6.8488, 12.1559,  
6.3064


 100.7388,  
132.6712, 105.7628

 3.4132, 6.8499,  
2.9605

 128.5132,  
166.4110, 135.8555

 1.3759, 3.3684,  
1.0745

160.9740,  
205.4347, 171.1750

 0.2389, 1.3270,  
0.0000

198.4866,

 0.0000, 0.1619,

250.1268, 212.1398

0.0000

241.4164,  
300.8717, 259.1685

■ 0.0000, 0.0000,  
0.0000

■ 29.1987, 42.8644,  
29.2890

■ 29.1987, 42.8644,  
29.2890

■ 26.3360, 41.4878,  
24.7290

■ 32.6885, 44.5539,  
34.4568

■ 24.0579, 40.3991,  
20.7512

■ 36.8378, 46.5690,  
40.2508

■ 22.3215, 39.5778,  
17.3327


■ 41.6806, 48.9280,  
46.6922


■ 21.0764, 38.9985,  
14.4476

■ 47.2477, 51.6464,  
53.8004


■ 20.2607, 38.6298,  
12.0679


■ 53.5679, 54.7386,  
61.5939

 19.9849, 38.5072,  
11.1708

 60.6683, 58.2183,  
70.0906

 68.5748, 62.0984,  
79.3076

 75.6733, 65.5465,  
89.1847

 77.6387, 66.3327,  
99.5344

# Harmonies

## Analogous

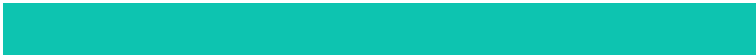
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.5971, 42.8644, 19.2249



29.1987, 42.8644, 29.2890



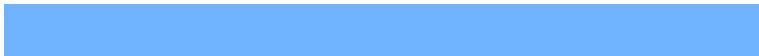
27.7843, 42.8644, 47.6295

# Triad

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



29.1987, 42.8644, 29.2890



41.0743, 42.8644, 102.4123



54.5794, 42.8644, 28.0982

# Complementary

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



29.1987, 42.8644, 29.2890



33.7461, 24.1218, 38.0007

# 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.



57.2059, 42.8644, 45.7275



29.1987, 42.8644, 29.2890



48.8327, 42.8644, 92.4642

# Square

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



29.1987, 42.8644, 29.2890



34.1054, 42.8644, 93.9724



54.9840, 42.8644, 69.8498



48.1866, 42.8644, 18.7032



# Rectangle

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



29.1987, 42.8644, 29.2890



28.5635, 42.8644, 63.6244



54.9840, 42.8644, 69.8498



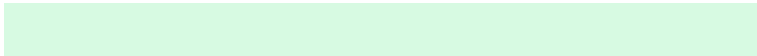
55.9654, 42.8644, 33.0349

# Sweetspot

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



29.1998, 42.8662, 29.2900



75.9420, 88.2585, 85.3040



37.1660, 47.1754, 20.5118



15.8556, 18.7215, 17.7328



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.



29.1998, 42.8662, 29.2900



47.0447, 74.2437, 44.0857



32.8195, 44.3140, 48.3507



10.0783, 11.3124, 11.4154



13.3250, 25.6241, 7.6047



0.6080, 1.1200, 0.4985



# Inverse Universe

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



33.7461, 24.1218, 38.0007



56.2049, 36.3833, 61.5687



30.5044, 22.8251, 20.9305



10.3516, 10.1892, 11.9419



17.3188, 8.6173, 14.8567



0.7790, 0.3846, 0.8037



# Previews

## White Background



This preview shows how the XYZ color 29.1987, 42.8644, 29.2890 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 29.1987, 42.8644, 29.2890 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 29.1987, 42.8644, 29.2890**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.1987, 42.8644, 29.2890.



This preview shows how white text looks on a background with the XYZ color 29.1987, 42.8644,



# 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

29.1987, 42.8644, 29.2890

### Protanopia

39.3955, 42.3433, 25.8354

### Deuteranopia

43.1809, 42.2274, 30.6858



## Tritanopia

35.5200, 42.8611, 61.0445

# Trichromacy



## Original Color

29.1987, 42.8644, 29.2890



## Protanomaly

34.3909, 41.8008, 27.0246



## Deuteranomaly

36.0491, 41.1011, 30.0781



## Tritanomaly

32.8899, 42.7459, 47.5916

# Monochromacy



## Original Color

29.1987, 42.8644, 29.2890



## Achromatopsia

33.4132, 35.1533, 38.2819



## Achromatomaly

31.1537, 37.3149, 34.8387

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.1987, 42.8644, 29.2890 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(105, 193, 134)` looks like.

```
.text, #text, p{  
    color:rgb(105, 193, 134)  
}
```

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(105, 193, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 193, 134) }
```

## Border

The CSS property to change the border of an element to XYZ 29.1987, 42.8644, 29.2890 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(105, 193, 134) }
```



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

```
.border{ border-color:rgb(105, 193, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 193, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 193, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 193, 134);  
box-shadow:4px 4px 4px 4px rgb(105, 193,  
134) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.1987, 42.8644, 29.2890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 193, 134) }
```

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

```
.background{ background-color: rgb(105,  
193, 134) }
```

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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