

Converting Colors

XYZ(29.9102, 42.4599, 33.1485)

Have a look what the booklet for
XYZ(29.9102, 42.4599, 33.1485)
contains.

XYZ(29.8492, 42.4634, 33.0086)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.8492, 42.4634,
33.0086)**

Conversions

Conversions Part 1

Format	Color
Hex	6CBF90
RGB	108, 191, 144
RGB Percent	42%, 75%, 56%
CMY	0.5765, 0.2510, 0.4353
CMYK	0.43, 0.00, 0.25, 0.25
HSL	146°, 39%, 59%
HSV	146°, 43%, 75%
XYZ	29.8492, 42.4634, 33.0086
YIQ	160.8250, -34.3810, -32.2130

Conversions

Conversions Part 2

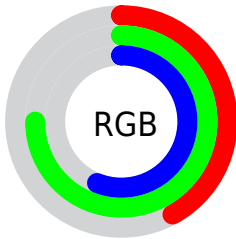
Format	Color
RYB	108, 166, 191
Decimal	7126928
CIELab	71.19, -35.95, 15.97
CIELCh	71, 39.342, 156.048
Yxy	42.4634, 0.2834, 0.4032
Android (android.graphics.Color)	4285317008 (0xFF6CBF90)
YUV	160.8250, -8.2947, -46.3275
Hunter-Lab	65.1639, -32.2726, 15.5816

Details

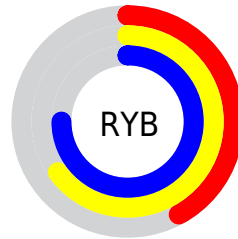
The XYZ color **29.8492, 42.4634, 33.0086** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **32.7662, 24.1690, 33.9501**, and the grayscale version is **33.8447, 35.6072, 38.7763**.

A 20% lighter version of the original color is **58.8647, 78.9986, 65.5718**, and **12.3896, 19.4385, 13.4549** is the 20% darker color. If you saturate the color by 10%, you get **26.9885, 41.0808, 28.7646**, and if you desaturate by 10%, it is **33.3003, 44.1435, 37.6956**.

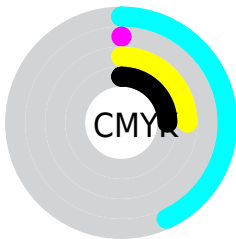
Distribution



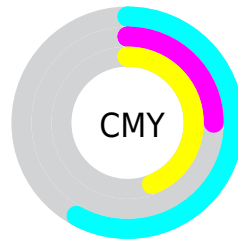
- Red (42%)
- Green (75%)
- Blue (56%)



- Red (42%)
- Yellow (65%)
- Blue (75%)



- Cyan (43%)
- Magenta (0%)
- Yellow (25%)
- Black (25%)





- Cyan (58%)
- Magenta (25%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8492, 42.4634, 33.0086 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 29.8492, 42.4634, 33.0086 by changing the saturation by 10% instead.


 29.8492, 42.4634,
33.0086


 29.8492, 42.4634,
33.0086


293.1234,
356.4003, 330.3217


 19.8717, 29.4643,
21.8619


 58.8119, 78.9005,
65.5051


 12.4095, 19.4323,
13.5581


 78.5277, 103.1073,
87.6920

 7.0974, 11.9831,
7.6787


 102.2204,
131.8187, 114.3960

 3.5700, 6.7322,
3.8053

 130.2552,
165.4193, 146.0356

 1.4618, 3.2952,
1.5191

162.9976,
204.2934, 183.0295

 0.2997, 1.2877,
0.2321

200.8128,

 0.0000, 0.1317,

248.8253, 225.7961

0.0000

244.0663,
299.3995, 274.7540

■ 0.0000, 0.0000,
0.0000

■ 29.8492, 42.4634,
33.0086

■ 29.8492, 42.4634,
33.0086

■ 26.9885, 41.0808,
28.7646

■ 33.3003, 44.1435,
37.6956

■ 24.6789, 39.9722,
24.9474

■ 37.3711, 46.1325,
42.8354

■ 22.8816, 39.1192,
21.5440


■ 42.0928, 48.4475,
48.4409


■ 21.5510, 38.4984,
18.5397


■ 47.4937, 51.1027,
54.5238


■ 20.6324, 38.0819,
15.9184


■ 53.6001, 54.1116,
61.0953

 20.1869, 37.8853,
14.4005

 60.4372, 57.4868,
68.1662

 68.0286, 61.2404,
75.7469

 74.2291, 64.2662,
83.7463

 75.8006, 64.8948,
92.0214

Harmonies

Analogous

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



33.3512, 42.4634, 22.6575



29.8492, 42.4634, 33.0086



29.0220, 42.4634, 50.1668

Triad

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



29.8492, 42.4634, 33.0086



41.7105, 42.4634, 92.5449



51.5004, 42.4634, 27.9944

Complementary

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



29.8492, 42.4634, 33.0086



32.7662, 24.1690, 33.9501

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.



54.3228, 42.4634, 42.5150



29.8492, 42.4634, 33.0086



48.2882, 42.4634, 82.2345

Square

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



29.8492, 42.4634, 33.0086



35.4300, 42.4634, 87.9782



53.0877, 42.4634, 62.5938



45.7278, 42.4634, 20.3622

Rectangle

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



29.8492, 42.4634, 33.0086



30.0098, 42.4634, 64.0786



53.0877, 42.4634, 62.5938



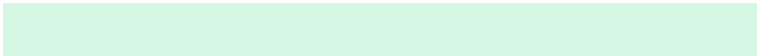
52.8527, 42.4634, 32.0563

Sweetspot

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



29.8503, 42.4651, 33.0096



75.6120, 86.8774, 87.0159



34.8630, 45.3181, 21.0976



16.1642, 18.8618, 18.5978



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.



29.8503, 42.4651, 33.0096



48.6286, 73.7146, 51.9732



33.6229, 43.9741, 52.8754



9.5760, 10.7165, 11.0166



13.3049, 24.9122, 9.6681



0.5540, 0.9890, 0.5517

Inverse Universe

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



32.7662, 24.1690, 33.9501



54.5119, 36.7533, 53.8370



29.8604, 23.0067, 18.6481



9.7503, 9.6244, 11.0743



15.9457, 8.0094, 10.2734



0.6569, 0.3266, 0.5723

Previews

White Background



This preview shows how the XYZ color 29.8492, 42.4634, 33.0086 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 29.8492, 42.4634, 33.0086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

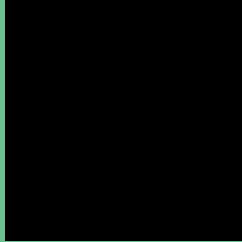
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8492, 42.4634, 33.0086

Background



This preview shows how black text looks on a background with the XYZ color 29.8492, 42.4634, 33.0086.

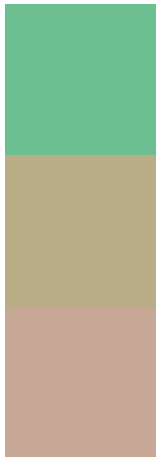


This preview shows how white text looks on a background with the XYZ color 29.8492, 42.4634,

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

29.8492, 42.4634, 33.0086

Protanopia

39.3951, 41.9790, 29.3190

Deuteranopia

42.7967, 41.9495, 34.2752



Tritanopia

35.3345, 42.4694, 60.3679

Trichromacy



Original Color

29.8492, 42.4634, 33.0086



Protanomaly

34.8861, 41.6747, 30.6314



Deuteranomaly

36.5177, 41.2642, 33.6439



Tritanomaly

33.1095, 42.5083, 49.1077

Monochromacy



Original Color

29.8492, 42.4634, 33.0086



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.8242, 37.6224, 36.5949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8492, 42.4634, 33.0086 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(108, 191, 144)` looks like.

```
.text, #text, p{  
    color:rgb(108, 191, 144)  
}
```

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(108, 191, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 191, 144) }
```

Border

The CSS property to change the border of an element to XYZ 29.8492, 42.4634, 33.0086 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(108, 191, 144) }
```


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

```
.border{ border-color:rgb(108, 191, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 191, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 191, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 191, 144);  
box-shadow:4px 4px 4px 4px rgb(108, 191,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8492, 42.4634, 33.0086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 191, 144) }
```

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

```
.background{ background-color: rgb(108,  
191, 144) }
```

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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