

# Converting Colors

XYZ(29.2898, 44.6994, 24.2237)

Have a look what the booklet for  
XYZ(29.2898, 44.6994, 24.2237)  
contains.

<b>XYZ(29.2898, 44.6994, 24.2237)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(29.2898, 44.6994,  
24.2237)**

# Conversions

## Conversions Part 1

Format	Color
Hex	69C676
RGB	105, 198, 118
RGB Percent	41%, 78%, 46%
CMY	0.5882, 0.2235, 0.5372
CMYK	0.47, 0.00, 0.40, 0.22
HSL	128°, 45%, 59%
HSV	128°, 47%, 78%
XYZ	29.2898, 44.6994, 24.2237
YIQ	161.0730, -29.7480, -44.5960

# Conversions

## Conversions Part 2

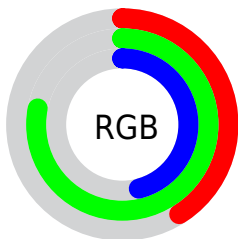
Format	Color
<a href="#">RYB</a>	<a href="#">105, 187, 198</a>
Decimal	<a href="#">6932086</a>
CIELab	<a href="#">72.69, -44.58, 31.73</a>
CIELCh	<a href="#">73, 54.717, 144.553</a>
Yxy	<a href="#">44.6994, 0.2982, 0.4551</a>
Android (android.graphics.Color)	<a href="#">4285122166</a> ( <a href="#">0xFF69C676</a> )
YUV	<a href="#">161.0730, -21.2350, -49.1760</a>
Hunter-Lab	<a href="#">66.8576, -38.8014, 25.3185</a>

# Details

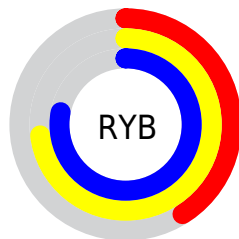
The XYZ color **29.2898, 44.6994, 24.2237** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **37.0986, 25.6126, 48.8887**, and the grayscale version is **34.0167, 35.7882, 38.9733**.

A 20% lighter version of the original color is **57.8086, 82.0373, 51.3160**, and **12.0381, 20.6666, 8.8234** is the 20% darker color. If you saturate the color by 10%, you get **26.3070, 43.2696, 19.2696**, and if you desaturate by 10%, it is **32.9991, 46.4852, 30.1678**.

# Distribution



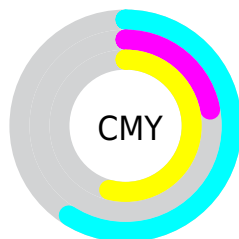
- Red (41%)
- Green (78%)
- Blue (46%)



- Red (41%)
- Yellow (73%)
- Blue (78%)



- Cyan (47%)
- Magenta (0%)
- Yellow (40%)
- Black (22%)




- Cyan (59%)
- Magenta (22%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2898, 44.6994, 24.2237 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 29.2898, 44.6994, 24.2237 by changing the saturation by 10% instead.





 29.2898, 44.6994,  
24.2237


 29.2898, 44.6994,  
24.2237


290.5495,  
365.5548, 287.2724

 19.4455, 31.2207,  
15.2859


 57.9316, 82.2691,  
51.3434

 12.0986, 20.7670,  
8.8714


 77.4598, 107.1290,  
70.3624

 6.8835, 12.9538,  
4.5618

 100.9468,  
136.5514, 93.5789

 3.4350, 7.3967,  
1.9383

 128.7578,  
170.9207, 121.4114

 1.3878, 3.7114,  
0.5169

161.2582,  
210.6212, 154.2784

 0.2475, 1.5135,  
0.0000

198.8134,

 0.0000, 0.2982,

256.0375, 192.5986

0.0000

241.7887,  
307.5539, 236.7904

■ 0.0000, 0.0000,  
0.0000

■ 29.2898, 44.6994,  
24.2237

■ 29.2898, 44.6994,  
24.2237

■ 26.3070, 43.2696,  
19.2696

■ 32.9991, 46.4852,  
30.1678

■ 23.9993, 42.1665,  
15.2488

■ 37.4750, 48.6427,  
37.1485

■ 22.3140, 41.3656,  
12.1036

■ 42.7587, 51.1936,  
45.2129


■ 21.1888, 40.8360,  
9.7686


■ 48.8877, 54.1561,  
54.4045

■ 20.5423, 40.5375,  
8.1690

■ 55.8967, 57.5473,  
64.7643

 20.4007, 40.4722,  
7.8153

 63.8189, 61.3835,  
76.3315

 72.6854, 65.6800,  
89.1430

 79.3663, 68.8224,  
103.0867

 79.4849, 68.8699,  
103.7116

# Harmonies

## Analogous

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



35.3470, 44.6994, 14.9379



29.2898, 44.6994, 24.2237



26.7902, 44.6994, 43.8775

# Triad

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



29.2898, 44.6994, 24.2237



40.7773, 44.6994, 121.4030



61.3319, 44.6994, 30.0285

# Complementary

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



29.2898, 44.6994, 24.2237



37.0986, 25.6126, 48.8887

# 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.



63.3555, 44.6994, 53.7994



29.2898, 44.6994, 24.2237



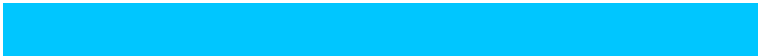
50.5255, 44.6994, 113.3336

# Square

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



29.2898, 44.6994, 24.2237



32.7598, 44.6994, 104.8426



59.1466, 44.6994, 85.6911



53.9673, 44.6994, 17.3099

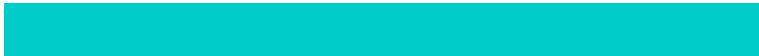


# Rectangle

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



29.2898, 44.6994, 24.2237



27.1617, 44.6994, 63.0136



59.1466, 44.6994, 85.6911



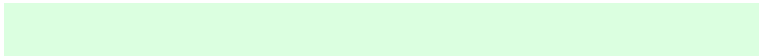
62.7013, 44.6994, 36.6871

# Sweetspot

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



29.2909, 44.7013, 24.2247



78.5578, 92.0242, 84.3499



42.8983, 51.7993, 21.1022



16.3297, 19.4627, 17.3231



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



29.2909, 44.7013, 24.2247



46.6436, 76.6483, 34.2244



32.7128, 46.0700, 42.2442



10.5569, 11.9116, 11.6166



13.2855, 26.3266, 5.1822



0.6492, 1.2546, 0.3513



# Inverse Universe

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



37.0986, 25.6126, 48.8887



62.0571, 38.8928, 82.8619



33.0091, 23.9767, 27.3534



11.0169, 10.7901, 13.0721



19.9074, 9.7125, 25.7857



0.9606, 0.4671, 1.3159



# Previews

## White Background



This preview shows how the XYZ color 29.2898, 44.6994, 24.2237 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

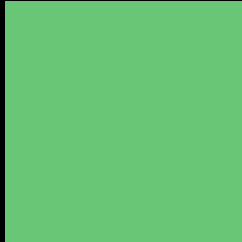
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 29.2898, 44.6994, 24.2237 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

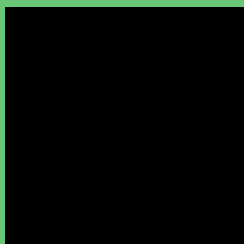
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 29.2898, 44.6994, 24.2237**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.2898, 44.6994, 24.2237.



This preview shows how white text looks on a background with the XYZ color 29.2898, 44.6994,



# 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

29.2898, 44.6994, 24.2237

### Protanopia

40.5289, 43.9075, 21.0907

### Deuteranopia

44.9404, 44.0790, 25.5415



## Tritanopia

37.0749, 44.5633, 63.1474

# Trichromacy



## Original Color

29.2898, 44.6994, 24.2237



## Protanomaly

35.0275, 43.4672, 22.1667



## Deuteranomaly

36.8474, 42.8183, 24.7351



## Tritanomaly

33.6321, 44.4597, 45.8387

# Monochromacy



## Original Color

29.2898, 44.6994, 24.2237



## Achromatopsia

33.8758, 35.6400, 38.8120



## Achromatomaly

31.2314, 37.9792, 32.4727

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.2898, 44.6994, 24.2237 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, 198, 118)` looks like.

```
.text, #text, p{  
    color:rgb(105, 198, 118)  
}
```

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, 198, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 198, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 29.2898, 44.6994, 24.2237 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, 198, 118) }
```



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

```
.border{ border-color:rgb(105, 198, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 198, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 198, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 198, 118);  
box-shadow:4px 4px 4px 4px rgb(105, 198,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.2898, 44.6994, 24.2237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 198, 118) }
```

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

```
.background{ background-color: rgb(105,  
198, 118) }
```

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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