

# Converting Colors

XYZ(29.3785, 43.2933, 24.7942)

Have a look what the booklet for  
XYZ(29.3785, 43.2933, 24.7942)  
contains.

<b>XYZ(29.4251, 43.4088, 24.9170)</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(29.4251, 43.4088,  
24.9170)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70C279
RGB	112, 194, 121
RGB Percent	44%, 76%, 47%
CMY	0.5608, 0.2392, 0.5255
CMYK	0.42, 0.00, 0.38, 0.24
HSL	127°, 40%, 60%
HSV	127°, 42%, 76%
XYZ	29.4251, 43.4088, 24.9170
YIQ	161.1600, -25.4390, -40.0870

# Conversions

## Conversions Part 2

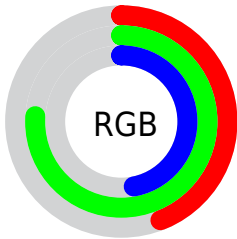
<b>Format</b>	<b>Color</b>
<b>RYB</b>	112, 186, 194
Decimal	7389817
CIELab	71.83, -40.34, 29.10
CIELCh	72, 49.742, 144.194
Yxy	43.4088, 0.3010, 0.4441
Android (android.graphics.Color)	4285579897 (0xFF70C279)
YUV	161.1600, -19.7989, -43.1133
Hunter-Lab	65.8854, -35.5794, 23.6970

# Details

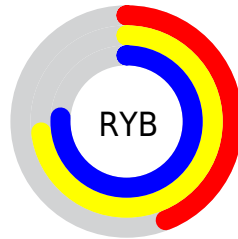
The XYZ color **29.4251, 43.4088, 24.9170** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **36.8007, 26.5614, 49.0879**, and the grayscale version is **34.0493, 35.8225, 39.0107**.

A 20% lighter version of the original color is **58.0735, 80.2658, 52.4765**, and **12.2028, 20.0810, 9.1941** is the 20% darker color. If you saturate the color by 10%, you get **26.2516, 41.8857, 19.7263**, and if you desaturate by 10%, it is **33.3223, 45.2856, 31.1332**.

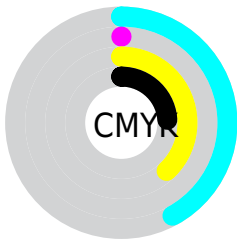
# Distribution



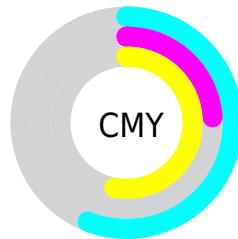
- Red (44%)
- Green (76%)
- Blue (47%)



- Red (44%)
- Yellow (73%)
- Blue (76%)



- Cyan (42%)
- Magenta (0%)
- Yellow (38%)
- Black (24%)



- Cyan (56%)
- Magenta (24%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4251, 43.4088, 24.9170 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 29.4251, 43.4088, 24.9170 by changing the saturation by 10% instead.




 29.4251, 43.4088,  
24.9170


 29.4251, 43.4088,  
24.9170


291.1736,  
360.2903, 290.8588


 19.5485, 30.2060,  
15.7968


 58.1447, 80.3274,  
52.4850

 12.1737, 19.9950,  
9.2277


 77.7185, 104.8120,  
71.7698

 6.9351, 12.3914,  
4.7911


 101.2553,  
133.8259, 95.2800

 3.4675, 7.0108,  
2.0687

129.1206,  
167.7537, 123.4339

 1.4055, 3.4689,  
0.5970

161.6798,  
206.9796, 156.6502

 0.2602, 1.3811,  
0.0000

199.2981,

 0.0000, 0.2028,

251.8880, 195.3475

0.0000

242.3409,  
302.8635, 239.9441

■ 0.0000, 0.0000,  
0.0000

■ 29.4251, 43.4088,  
24.9170

■ 29.4251, 43.4088,  
24.9170

■ 26.2516, 41.8857,  
19.7263

■ 33.3223, 45.2856,  
31.1332

■ 23.7538, 40.6889,  
15.5034

■ 37.9806, 47.5305,  
38.4229

■ 21.8833, 39.7960,  
12.1891


■ 43.4389, 50.1639,  
46.8345

■ 20.5836, 39.1794,  
9.7167


■ 49.7324, 53.2028,  
56.4124


■ 19.7878, 38.8061,  
8.0102

■ 56.8942, 56.6635,  
67.1990

 19.4307, 38.6405,  
7.1581

 64.9556, 60.5613,  
79.2343

 73.9464, 64.9106,  
92.5564

 78.5826, 67.0653,  
103.4109

# Harmonies

## Analogous

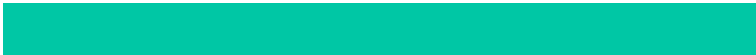
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.9463, 43.4088, 16.2382



29.4251, 43.4088, 24.9170



27.1021, 43.4088, 42.7078

# Triad

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



29.4251, 43.4088, 24.9170



39.6353, 43.4088, 110.3929



57.9420, 43.4088, 30.6313

# Complementary

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



29.4251, 43.4088, 24.9170



36.8007, 26.5614, 49.0879

# 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.



59.6452, 43.4088, 52.1349



29.4251, 43.4088, 24.9170



48.2890, 43.4088, 103.7498

# Square

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



29.4251, 43.4088, 24.9170



32.4569, 43.4088, 95.9933



55.9032, 43.4088, 80.0855



51.5234, 43.4088, 18.6609



# Rectangle

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



29.4251, 43.4088, 24.9170



27.4154, 43.4088, 59.6297



55.9032, 43.4088, 80.0855



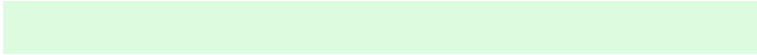
59.1186, 43.4088, 36.7396

# Sweetspot

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



29.4262, 43.4106, 24.9180



77.7065, 90.4023, 83.3312



42.4193, 50.1697, 22.7776



16.5082, 19.5517, 17.4677



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.



29.4262, 43.4106, 24.9180



47.7962, 75.9967, 36.1308



32.4258, 44.6105, 40.7137



9.9884, 11.2764, 10.9422



12.7900, 25.4101, 4.7872



0.5680, 1.1040, 0.2877



# Inverse Universe

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



36.8007, 26.5614, 49.0879



62.9577, 41.3117, 85.7901



33.1390, 25.0967, 29.8057



10.4481, 10.2279, 12.4504



19.5867, 9.5244, 26.7994



0.8602, 0.4171, 1.2310



# Previews

## White Background



This preview shows how the XYZ color 29.4251, 43.4088, 24.9170 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 29.4251, 43.4088, 24.9170 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 29.4251, 43.4088, 24.9170**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.4251, 43.4088, 24.9170.



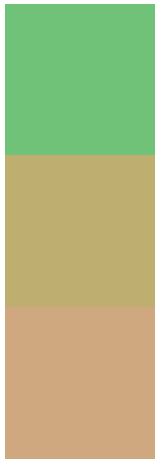
This preview shows how white text looks on a background with the XYZ color 29.4251, 43.4088,



# 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

29.4251, 43.4088, 24.9170

### Protanopia

39.5458, 42.7993, 21.7996

### Deuteranopia

43.5655, 42.8030, 26.0443



## Tritanopia

36.5599, 43.4106, 60.4850

# Trichromacy



## Original Color

29.4251, 43.4088, 24.9170



## Protanomaly

34.7806, 42.3982, 22.8735



## Deuteranomaly

36.4371, 41.6956, 25.5297



## Tritanomaly

33.3599, 43.0443, 45.0782

# Monochromacy



## Original Color

29.4251, 43.4088, 24.9170



## Achromatopsia

33.8758, 35.6400, 38.8120



## Achromatomaly

31.4596, 37.8021, 32.8326

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.4251, 43.4088, 24.9170 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, 194, 121)` looks like.

```
.text, #text, p{  
    color:rgb(112, 194, 121)  
}
```

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, 194, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 194, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 29.4251, 43.4088, 24.9170 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, 194, 121) }
```



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

```
.border{ border-color:rgb(112, 194, 121) }
```

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

Here you see how a box with a 4 pixel rgb(112, 194, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 194, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 194, 121);  
box-shadow:4px 4px 4px 4px rgb(112, 194,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.4251, 43.4088, 24.9170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 194, 121) }
```

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

```
.background{ background-color: rgb(112,  
194, 121) }
```

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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