

# Converting Colors

XYZ(30.6014, 44.8155, 29.8800)

Have a look what the booklet for  
XYZ(30.6014, 44.8155, 29.8800)  
contains.

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# Color

**XYZ(30.6461, 44.9330,  
29.9794)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DC587
RGB	109, 197, 135
RGB Percent	43%, 77%, 53%
CMY	0.5725, 0.2274, 0.4706
CMYK	0.45, 0.00, 0.31, 0.23
HSL	138°, 43%, 60%
HSV	138°, 45%, 77%
XYZ	30.6461, 44.9330, 29.9794
YIQ	163.6200, -32.5460, -37.9380

# Conversions

## Conversions Part 2

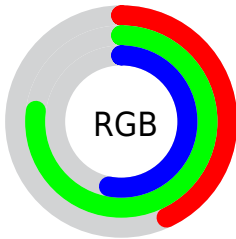
<b>Format</b>	<b>Color</b>
<b>RYB</b>	109, 177, 197
Decimal	7193991
CIELab	72.85, -40.11, 23.07
CIELCh	73, 46.269, 150.087
Yxy	44.9330, 0.2903, 0.4257
Android (android.graphics.Color)	4285384071 (0xFF6DC587)
YUV	163.6200, -14.1097, -47.9017
Hunter-Lab	67.0321, -35.6985, 20.4056

# Details

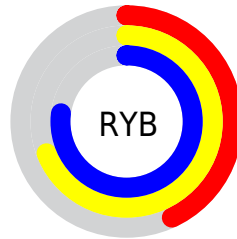
The XYZ color **30.6461, 44.9330, 29.9794** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **35.8467, 25.7488, 41.6104**, and the grayscale version is **35.1829, 37.0152, 40.3095**.

A 20% lighter version of the original color is **59.9370, 82.4503, 60.8996**, and **12.7809, 20.7588, 11.9275** is the 20% darker color. If you saturate the color by 10%, you get **27.5746, 43.4565, 25.0631**, and if you desaturate by 10%, it is **34.3905, 46.7442, 35.5943**.

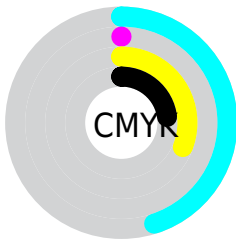
# Distribution



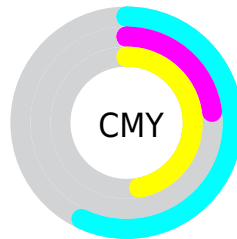
- Red (43%)
- Green (77%)
- Blue (53%)



- Red (43%)
- Yellow (69%)
- Blue (77%)



- Cyan (45%)
- Magenta (0%)
- Yellow (31%)
- Black (23%)



- Cyan (57%)
- Magenta (23%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6461, 44.9330, 29.9794 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 30.6461, 44.9330, 29.9794 by changing the saturation by 10% instead.



■ 30.6461, 44.9330,  
29.9794

■ 30.6461, 44.9330,  
29.9794

296.7607,  
366.5021, 316.0127

■ 20.4800, 31.4047,  
19.5710

■ 60.0621, 82.6199,  
60.6902

■ 12.8547, 20.9072,  
11.9026

■ 80.0427, 107.5472,  
81.8298

■ 7.4049, 13.0562,  
6.5557

■ 104.0256,  
137.0429, 107.3834

■ 3.7652, 7.4672,  
3.1116

■ 132.3760,  
171.4915, 137.7698

■ 1.5702, 3.7560,  
1.1519

165.4594,  
211.2773, 173.4073

■ 0.3728, 1.5380,  
0.0000

203.6410,

■ 0.0000, 0.3153,

256.7848, 214.7147

0.0000

247.2863,  
308.3983, 262.1103

■ 0.0000, 0.0000,  
0.0000

■ 30.6461, 44.9330,  
29.9794

■ 30.6461, 44.9330,  
29.9794

■ 27.5746, 43.4565,  
25.0631

■ 34.3905, 46.7442,  
35.5943

■ 25.1308, 42.2882,  
20.8148

■ 38.8422, 48.9035,  
41.9306

■ 23.2695, 41.4066,  
17.2061


■ 44.0375, 51.4304,  
49.0139


■ 21.9373, 40.7848,  
14.2056

■ 50.0090, 54.3411,  
56.8676


■ 21.0703, 40.3907,  
11.7787


■ 56.7874, 57.6511,  
65.5141

 20.7361, 40.2418,  
10.7050

 64.4016, 61.3749,  
74.9748

 72.8794, 65.5263,  
85.2704

 77.8479, 67.8506,  
96.2149

 79.2571, 68.4142,  
103.6357

# Harmonies

## Analogous

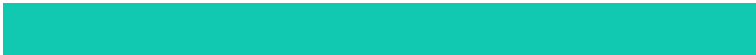
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.4079, 44.9330, 19.7170



30.6461, 44.9330, 29.9794



29.0228, 44.9330, 48.9918

# Triad

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



30.6461, 44.9330, 29.9794



42.7310, 44.9330, 107.9952



57.5504, 44.9330, 29.8953

# Complementary

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



30.6461, 44.9330, 29.9794



35.8467, 25.7488, 41.6104

# 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.



60.1326, 44.9330, 48.8571



30.6461, 44.9330, 29.9794



50.9471, 44.9330, 98.1821

# Square

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



30.6461, 44.9330, 29.9794



35.4438, 44.9330, 98.2893



57.5791, 44.9330, 74.5294



50.9013, 44.9330, 19.6803



# Rectangle

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



30.6461, 44.9330, 29.9794



29.7567, 44.9330, 65.7843



57.5791, 44.9330, 74.5294



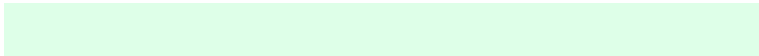
58.9575, 44.9330, 35.2234

# Sweetspot

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



30.6473, 44.9349, 29.9804



80.3533, 92.8319, 89.7626



39.7561, 49.8169, 21.9886



16.7174, 19.6353, 18.5693



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.



30.6473, 44.9349, 29.9804



49.3067, 77.7908, 44.7569



34.3035, 46.3973, 49.2337



10.6243, 11.9386, 11.9715



13.6707, 26.4807, 7.2107



0.6797, 1.2668, 0.5117



# Inverse Universe

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



35.8467, 25.7488, 41.6104



59.8143, 38.9238, 68.1907



32.3965, 24.3687, 23.4419



10.9444, 10.7611, 12.6905



18.2387, 9.0451, 16.9988



0.8942, 0.4405, 0.9662



# Previews

## White Background



This preview shows how the XYZ color 30.6461, 44.9330, 29.9794 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

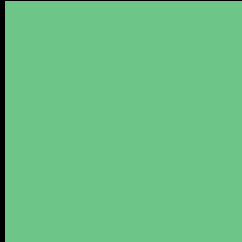
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.6461, 44.9330, 29.9794 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

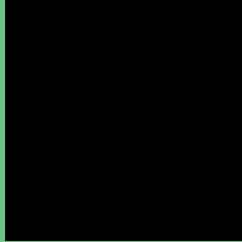
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 30.6461, 44.9330, 29.9794

## Background



This preview shows how black text looks on a background with the XYZ color 30.6461, 44.9330, 29.9794.



This preview shows how white text looks on a background with the XYZ color 30.6461, 44.9330,



# 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

30.6461, 44.9330, 29.9794

### Protanopia

41.4894, 44.5796, 26.4967

### Deuteranopia

45.1028, 44.3143, 31.3756



## Tritanopia

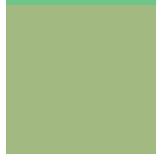
37.3398, 44.6860, 63.7840

# Trichromacy



## Original Color

30.6461, 44.9330, 29.9794



## Protanomaly

36.2785, 43.9910, 27.6981



## Deuteranomaly

37.7760, 43.1645, 30.7667



## Tritanomaly

34.3752, 44.4382, 49.4135

# Monochromacy



## Original Color

30.6461, 44.9330, 29.9794



## Achromatopsia

35.2861, 37.1238, 40.4278



## Achromatomaly

32.7767, 39.2799, 35.9912

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.6461, 44.9330, 29.9794 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(109, 197, 135)` looks like.

```
.text, #text, p{  
    color:rgb(109, 197, 135)  
}
```

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(109, 197, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 197, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 30.6461, 44.9330, 29.9794 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(109, 197, 135) }
```



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

```
.border{ border-color:rgb(109, 197, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 197, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 197, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 197, 135);  
box-shadow:4px 4px 4px 4px rgb(109, 197,  
135) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.6461, 44.9330, 29.9794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 197, 135) }
```

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

```
.background{ background-color: rgb(109,  
197, 135) }
```

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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