

# Converting Colors

XYZ(30.9204, 51.6819, 40.6847)

Have a look what the booklet for  
XYZ(30.9204, 51.6819, 40.6847)  
contains.

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# Color

**XYZ(30.9244, 51.6819,  
40.6935)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0FD89E
RGB	15, 216, 158
RGB Percent	6%, 85%, 62%
CMY	0.9411, 0.1529, 0.3804
CMYK	0.93, 0.00, 0.27, 0.15
HSL	163°, 87%, 45%
HSV	163°, 93%, 85%
XYZ	30.9244, 51.6819, 40.6935
YIQ	149.2890, -101.1780, -60.6500

# Conversions

## Conversions Part 2

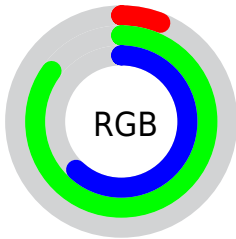
<b>Format</b>	<b>Color</b>
<b>RYB</b>	15, 132, 216
Decimal	1038494
CIELab	77.09, -57.36, 16.44
CIELCh	77, 59.666, 164.009
Yxy	51.6819, 0.2508, 0.4192
Android (android.graphics.Color)	4279228574 (0xFF0FD89E)
YUV	149.2890, 4.2945, -117.7715
Hunter-Lab	71.8901, -49.0238, 16.7619

# Details

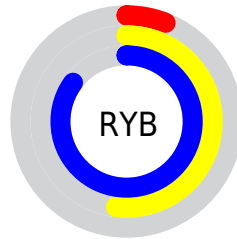
The XYZ color **30.9244, 51.6819, 40.6935** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **29.6943, 15.4229, 7.7186**, and the grayscale version is **28.7047, 30.1996, 32.8874**.

A 20% lighter version of the original color is **53.9546, 79.5122, 75.4545**, and **15.1723, 26.1822, 17.8897** is the 20% darker color. If you saturate the color by 10%, you get **30.3619, 51.4356, 38.7549**, and if you desaturate by 10%, it is **32.0282, 52.1887, 43.6190**.

# Distribution



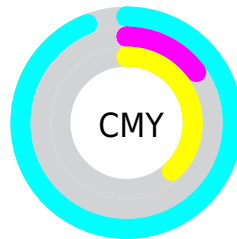
- Red (6%)
- Green (85%)
- Blue (62%)



- Red (6%)
- Yellow (52%)
- Blue (85%)



- Cyan (93%)
- Magenta (0%)
- Yellow (27%)
- Black (15%)




- Cyan (94%)
- Magenta (15%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9244, 51.6819, 40.6935 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 30.9244, 51.6819, 40.6935 by changing the saturation by 10% instead.





 30.9244, 51.6819,  
40.6935


 30.9244, 51.6819,  
40.6935


298.0230,  
393.2073, 364.6766


 20.6928, 36.7516,  
27.7618


 60.4977, 92.6619,  
77.4670


 13.0108, 25.0152,  
17.9087

 80.5701, 119.4805,  
102.1459


 7.5131, 16.0884,  
10.7157


 104.6535,  
151.0305, 131.5775

 3.8341, 9.5867,  
5.7642

 133.1133,  
187.6965, 166.1805

 1.6087, 5.1258,  
2.6358

 166.3148,  
229.8627, 206.3734

 0.3981, 2.3213,  
0.9108

204.6233,

 0.0000, 0.7849,

277.9137, 252.5746

0.0000

248.4043,  
332.2338, 305.2029

■ 0.0000, 0.0000,  
0.0000

■ 30.9244, 51.6819,  
40.6935

■ 30.9244, 51.6819,  
40.6935

■ 30.3619, 51.4356,  
38.7549

■ 32.0282, 52.1887,  
43.6190

■ 33.6146, 52.9397,  
46.7100

■ 35.7560, 53.9736,  
49.9732

■ 38.5113, 55.3208,  
53.4132

■ 41.9318, 57.0075,  
57.0343

■ 46.0630, 59.0572,  
60.8406

■ 50.9467, 61.4915,  
64.8358

■ 56.6210, 64.3299,  
69.0236

■ 63.1215, 67.5907,  
73.4074

# Harmonies

## Analogous

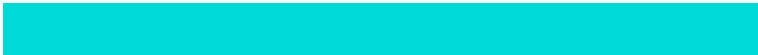
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.4161, 51.6819, 22.1279



30.9244, 51.6819, 40.6935



30.7805, 51.6819, 72.8726

# Triad

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



30.9244, 51.6819, 40.6935



54.6198, 51.6819, 141.7689



66.6288, 51.6819, 22.9625

# Complementary

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



30.9244, 51.6819, 40.6935



29.6943, 15.4229, 7.7186

# 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.



73.5989, 51.6819, 42.4072



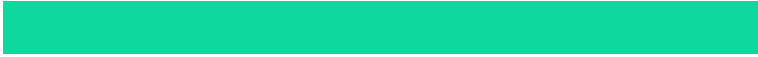
30.9244, 51.6819, 40.6935



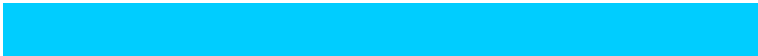
65.9738, 51.6819, 114.5555

# Square

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



30.9244, 51.6819, 40.6935



43.3290, 51.6819, 140.7307



73.3422, 51.6819, 75.3935



55.4098, 51.6819, 14.9345

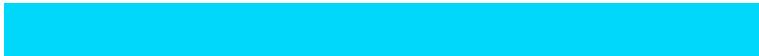


# Rectangle

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



30.9244, 51.6819, 40.6935



33.1040, 51.6819, 99.1791



73.3422, 51.6819, 75.3935



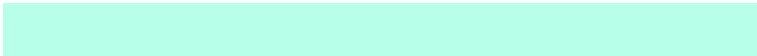
69.6185, 51.6819, 27.9637

# Sweetspot

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



30.9258, 51.6839, 40.6947



70.3396, 87.6243, 91.3456



27.5694, 50.6566, 8.7773



14.4176, 18.4375, 19.0155



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.



30.9258, 51.6839, 40.6947



44.1427, 74.8731, 56.0627



28.0798, 36.0346, 70.4435



12.6323, 14.0439, 15.1441



18.0193, 30.4631, 23.1952



1.1219, 1.8514, 1.5835



# Inverse Universe

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



29.6943, 15.4229, 7.7186



42.4622, 21.7489, 8.3662



29.7827, 17.3869, 2.2389



12.5692, 12.4792, 13.6715



17.3228, 8.8654, 3.7378

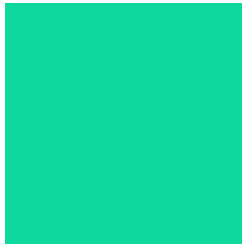


1.0805, 0.5490, 0.4134



# Previews

## White Background



This preview shows how the XYZ color 30.9244, 51.6819, 40.6935 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 30.9244, 51.6819, 40.6935 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

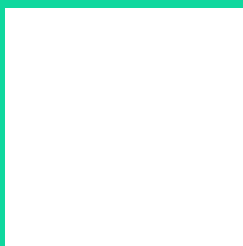
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 30.9244, 51.6819, 40.6935**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.9244, 51.6819, 40.6935.



This preview shows how white text looks on a background with the XYZ color 30.9244, 51.6819,



# 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

30.9244, 51.6819, 40.6935

### Protanopia

47.1814, 50.4283, 34.0350

### Deuteranopia

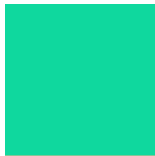
51.6352, 50.6561, 43.1325



## Tritanopia

38.4399, 51.3852, 78.4133

# Trichromacy



## Original Color

30.9244, 51.6819, 40.6935



## Protanomaly

35.3720, 47.5767, 36.1731



## Deuteranomaly

37.0580, 46.9787, 41.7650



## Tritanomaly

34.8372, 50.9671, 62.6451

# Monochromacy



## Original Color

30.9244, 51.6819, 40.6935



## Achromatopsia

28.5667, 30.0544, 32.7292



## Achromatomaly

25.8666, 34.8635, 35.0718

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.9244, 51.6819, 40.6935 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(15, 216, 158)` looks like.

```
.text, #text, p{  
    color:rgb(15, 216, 158)  
}
```

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(15, 216, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 216, 158) }
```

## Border

The CSS property to change the border of an element to XYZ 30.9244, 51.6819, 40.6935 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(15, 216, 158) }
```



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

```
.border{ border-color:rgb(15, 216, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 216, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 216, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 216, 158);  
box-shadow:4px 4px 4px 4px rgb(15, 216,  
158) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.9244, 51.6819, 40.6935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 216, 158) }
```

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

```
.background{ background-color: rgb(15, 216,  
158) }
```

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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