

Converting Colors

XYZ(30.5045, 54.1879, 29.5624)

Have a look what the booklet for
XYZ(30.5045, 54.1879, 29.5624)
contains.

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Color

**XYZ(30.4146, 53.9981,
29.5885)**

Conversions

Conversions Part 1

Format	Color
Hex	16DE81
RGB	22, 222, 129
RGB Percent	9%, 87%, 51%
CMY	0.9137, 0.1294, 0.4941
CMYK	0.90, 0.00, 0.42, 0.13
HSL	152°, 82%, 48%
HSV	152°, 90%, 87%
XYZ	30.4146, 53.9981, 29.5885
YIQ	151.5980, -89.3470, -71.3230

Conversions

Conversions Part 2

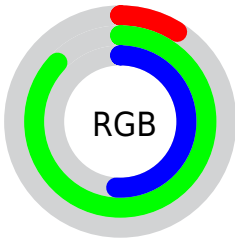
Format	Color
RYB	22, 152, 222
Decimal	1498753
CIELab	78.46, -65.16, 33.32
CIELCh	78, 73.188, 152.919
Yxy	53.9981, 0.2668, 0.4737
Android (android.graphics.Color)	4279688833 (0xFF16DE81)
YUV	151.5980, -11.1408, -113.6574
Hunter-Lab	73.4834, -54.7152, 27.5649

Details

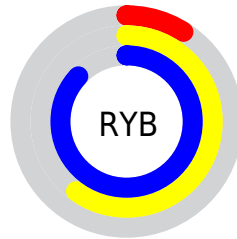
The XYZ color **30.4146, 53.9981, 29.5885** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **33.5076, 17.3424, 17.8044**, and the grayscale version is **29.7478, 31.2970, 34.0825**.

A 20% lighter version of the original color is **50.8628, 78.3184, 57.2360**, and **14.8303, 27.4603, 11.7265** is the 20% darker color. If you saturate the color by 10%, you get **29.4381, 53.5709, 26.1683**, and if you desaturate by 10%, it is **31.8541, 54.6583, 33.4224**.

Distribution



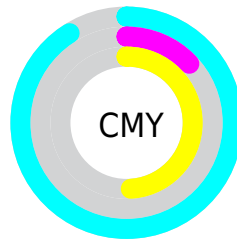
- Red (9%)
- Green (87%)
- Blue (51%)



- Red (9%)
- Yellow (60%)
- Blue (87%)



- Cyan (90%)
- Magenta (0%)
- Yellow (42%)
- Black (13%)




- Cyan (91%)
- Magenta (13%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4146, 53.9981, 29.5885 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 30.4146, 53.9981, 29.5885 by changing the saturation by 10% instead.


 30.4146, 53.9981,
29.5885


 30.4146, 53.9981,
29.5885


295.7075,
402.1028, 314.1290


 20.3031, 38.6001,
19.2771


 59.6994, 96.0715,
60.0641


 12.7251, 26.4488,
11.6918

 79.6034, 123.5156,
81.0653


 7.3152, 17.1597,
6.4142


 103.5023,
155.7440, 106.4669

 3.7081, 10.3484,
3.0257

 131.7614,
193.1410, 136.6874

 1.5384, 5.6306,
1.1078

 164.7461,
236.0910, 172.1453

 0.3517, 2.6218,
0.0000

202.8218,

 0.0000, 0.9376,

284.9783, 213.2592

0.0000

246.3538,
340.1875, 260.4476

■ 0.0000, 0.0000,
0.0000

■ 30.4146, 53.9981,
29.5885

■ 30.4146, 53.9981,
29.5885

■ 29.4381, 53.5709,
26.1683

■ 31.8541, 54.6583,
33.4224

■ 33.8737, 55.6078,
37.6546

■ 36.5477, 56.8863,
42.2994

■ 39.9379, 58.5254,
47.3693

■ 44.0986, 60.5527,
52.8758

■ 49.0784, 62.9932,
58.8303

■ 54.9220, 65.8698,
65.2432

■ 61.6706, 69.2035,
72.1248

■ 69.3627, 73.0140,
79.4849

Harmonies

Analogous

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



37.7040, 53.9981, 14.2009



30.4146, 53.9981, 29.5885



28.3478, 53.9981, 62.9243

Triad

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



30.4146, 53.9981, 29.5885



52.7459, 53.9981, 178.7997



78.2387, 53.9981, 25.3819

Complementary

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



30.4146, 53.9981, 29.5885



33.5076, 17.3424, 17.8044

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.



84.2237, 53.9981, 54.8500



30.4146, 53.9981, 29.5885



67.8818, 53.9981, 153.5892

Square

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



30.4146, 53.9981, 29.5885



39.7266, 53.9981, 161.3733



80.1205, 53.9981, 102.7659



64.9827, 53.9981, 12.6922

Rectangle

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



30.4146, 53.9981, 29.5885



29.8192, 53.9981, 95.3798



80.1205, 53.9981, 102.7659



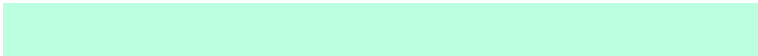
81.2691, 53.9981, 33.0137

Sweetspot

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



30.4160, 54.0003, 29.5897



69.3632, 87.3047, 82.9959



33.3823, 55.9705, 9.8035



14.2916, 18.4140, 17.1359



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.



30.4160, 54.0003, 29.5897



40.2338, 73.3095, 35.4789



37.9028, 54.2176, 77.5772



13.8338, 15.4592, 16.1599



17.5417, 31.8415, 15.8417



1.2610, 2.2251, 1.3356

Inverse Universe

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



33.5076, 17.3424, 17.8044



44.5446, 22.5818, 19.3319



30.7017, 16.4511, 2.3168



13.9711, 13.8061, 15.6181



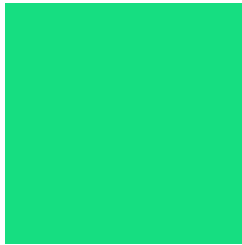
19.4094, 9.8307, 8.8214



1.3902, 0.6994, 0.8479

Previews

White Background



This preview shows how the XYZ color 30.4146, 53.9981, 29.5885 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 30.4146, 53.9981, 29.5885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

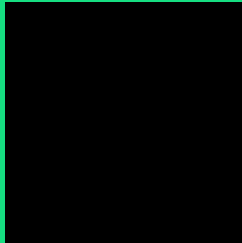
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.4146, 53.9981, 29.5885

Background



This preview shows how black text looks on a background with the XYZ color 30.4146, 53.9981, 29.5885.

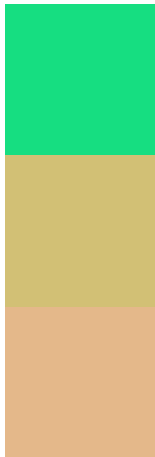


This preview shows how white text looks on a background with the XYZ color 30.4146, 53.9981,

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

30.4146, 53.9981, 29.5885

Protanopia

48.6389, 52.6853, 24.4354

Deuteranopia

53.7228, 52.6099, 31.3680



Tritanopia

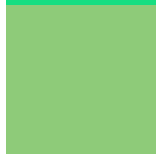
40.7063, 53.5794, 81.5952

Trichromacy



Original Color

30.4146, 53.9981, 29.5885



Protanomaly

35.9625, 49.8431, 25.8144



Deuteranomaly

37.7041, 48.9097, 30.3750



Tritanomaly

35.4855, 52.8910, 58.2079

Monochromacy



Original Color

30.4146, 53.9981, 29.5885



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

26.5819, 36.4612, 32.0223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4146, 53.9981, 29.5885 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(22, 222, 129)` looks like.

```
.text, #text, p{  
    color:rgb(22, 222, 129)  
}
```

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(22, 222, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 222, 129) }
```

Border

The CSS property to change the border of an element to XYZ 30.4146, 53.9981, 29.5885 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(22, 222, 129) }
```


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

```
.border{ border-color:rgb(22, 222, 129) }
```

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

Here you see how a box with a 4 pixel rgb(22, 222, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 222, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 222, 129);  
box-shadow:4px 4px 4px 4px rgb(22, 222,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4146, 53.9981, 29.5885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 222, 129) }
```

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

```
.background{ background-color: rgb(22, 222,  
129) }
```

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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