

Converting Colors

XYZ(30.4277, 55.4233, 30.6658)

Have a look what the booklet for
XYZ(30.4277, 55.4233, 30.6658)
contains.

XYZ(31.2931, 56.0314, 30.6386)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.2931, 56.0314,
30.6386)**

Conversions

Conversions Part 1

Format	Color
Hex	00E283
RGB	0, 226, 131
RGB Percent	0%, 89%, 51%
CMY	0.9999, 0.1137, 0.4863
CMYK	1.00, 0.00, 0.42, 0.11
HSL	155°, 100%, 44%
HSV	155°, 100%, 89%
XYZ	31.2931, 56.0314, 30.6386
YIQ	147.5960, -104.2010, -77.4570

Conversions

Conversions Part 2

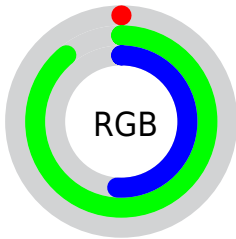
Format	Color
RYB	0, 143, 226
Decimal	57987
CIELab	79.63, -66.95, 33.82
CIELCh	80, 75.009, 153.197
Yxy	56.0314, 0.2653, 0.4750
Android (android.graphics.Color)	4278248067 (0xFF00E283)
YUV	147.5960, -8.1818, -129.4417
Hunter-Lab	74.8541, -56.3720, 28.1299

Details

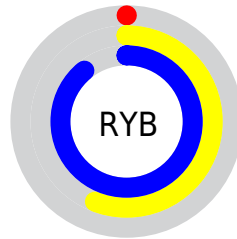
The XYZ color **31.2931, 56.0314, 30.6386** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **33.4318, 16.9963, 12.3496**, and the grayscale version is **28.0471, 29.5077, 32.1339**.

A 20% lighter version of the original color is **50.7013, 78.2109, 58.3229**, and **15.6359, 28.9551, 12.3542** is the 20% darker color. If you saturate the color by 10%, you get **31.2938, 56.0333, 30.6372**, and if you desaturate by 10%, it is **32.3129, 56.4808, 34.2049**.

Distribution



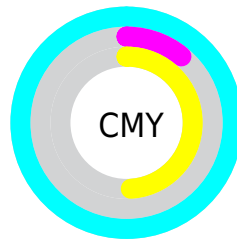
- Red (0%)
- Green (89%)
- Blue (51%)



- Red (0%)
- Yellow (56%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2931, 56.0314, 30.6386 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 31.2931, 56.0314, 30.6386 by changing the saturation by 10% instead.


 31.2931, 56.0314,
30.6386


 31.2931, 56.0314,
30.6386


299.6892,
409.8098, 319.1694


 20.9751, 40.2281,
20.0677


 61.0739, 99.0505,
61.7435

 13.2181, 27.7164,
12.2597


 81.2675, 127.0351,
83.1146


 7.6570, 18.1120,
6.7961


 105.4835,
159.8489, 108.9228

 3.9262, 11.0304,
3.2584

 134.0874,
197.8762, 139.5866

 1.6605, 6.0873,
1.2280

 167.4446,
241.5016, 175.5246

 0.4313, 2.8982,
0.0017

205.9204,

 0.0000, 1.0788,

291.1094, 217.1554

0.0000

249.8801,
347.0840, 264.8975

■ 0.0000, 0.0000,
0.0000

■ 31.2931, 56.0314,
30.6386

■ 31.2931, 56.0314,
30.6386

■ 31.2938, 56.0333,
30.6372

■ 32.3129, 56.4808,
34.2049

■ 33.7946, 57.1598,
38.1078

■ 35.8706, 58.1380,
42.3624

■ 38.6168, 59.4543,
46.9797

■ 42.0969, 61.1416,
51.9697

■ 46.3671, 63.2284,
57.3419

■ 51.4778, 65.7408,
63.1056

■ 57.4751, 68.7024,
69.2693

■ 64.4017, 72.1348,
75.8414

Harmonies

Analogous

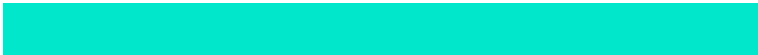
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.8713, 56.0314, 14.4924



31.2931, 56.0314, 30.6386



29.1829, 56.0314, 65.7711

Triad

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



31.2931, 56.0314, 30.6386



54.8941, 56.0314, 187.6205



81.4769, 56.0314, 25.8327

Complementary

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



31.2931, 56.0314, 30.6386



33.4318, 16.9963, 12.3496

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.



87.8775, 56.0314, 56.4818



31.2931, 56.0314, 30.6386



70.8130, 56.0314, 160.5719

Square

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



31.2931, 56.0314, 30.6386



41.1927, 56.0314, 169.5876



83.6487, 56.0314, 106.7826



67.4711, 56.0314, 12.7832

Rectangle

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



31.2931, 56.0314, 30.6386



30.7538, 56.0314, 100.0337



83.6487, 56.0314, 106.7826



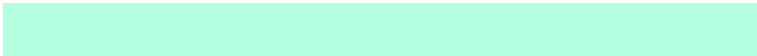
84.6977, 56.0314, 33.7376

Sweetspot

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



31.2945, 56.0336, 30.6399



67.5328, 86.3633, 82.8098



32.2286, 56.9884, 9.3018



13.8168, 18.1712, 17.0236



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

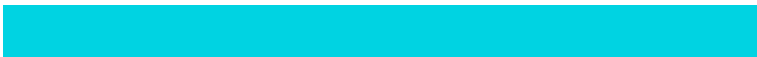
The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.2945, 56.0336, 30.6399



41.0896, 73.6518, 39.9854



37.0071, 52.0491, 80.0502



13.8602, 15.4698, 16.2991



17.9130, 31.9900, 17.7966



1.2860, 2.2351, 1.4674

Inverse Universe

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



33.4318, 16.9963, 12.3496



43.9043, 22.3257, 15.9599



31.5373, 16.5134, 1.5257



13.9451, 13.7957, 15.4810



19.1281, 9.7182, 7.3403



1.3698, 0.6912, 0.7403

Previews

White Background



This preview shows how the XYZ color 31.2931, 56.0314, 30.6386 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 31.2931, 56.0314, 30.6386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

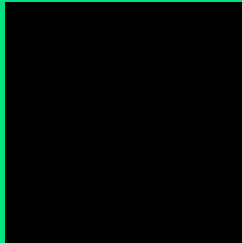
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2931, 56.0314, 30.6386

Background



This preview shows how black text looks on a background with the XYZ color 31.2931, 56.0314, 30.6386.



This preview shows how white text looks on a background with the XYZ color 31.2931, 56.0314,

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

31.2931, 56.0314, 30.6386

Protanopia

50.8013, 55.1079, 25.4121

Deuteranopia

55.7827, 54.5899, 32.4078



Tritanopia

42.1793, 55.7583, 84.8833

Trichromacy



Original Color

31.2931, 56.0314, 30.6386



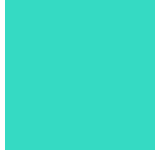
Protanomaly

36.0413, 51.2899, 26.7393



Deuteranomaly

37.6147, 49.8753, 31.3113



Tritanomaly

36.3899, 54.8398, 60.2970

Monochromacy



Original Color

31.2931, 56.0314, 30.6386



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

25.0239, 35.3833, 31.1020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2931, 56.0314, 30.6386 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(0, 226, 131)` looks like.

```
.text, #text, p{  
    color:rgb(0, 226, 131)  
}
```

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(0, 226, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 226, 131) }
```

Border

The CSS property to change the border of an element to XYZ 31.2931, 56.0314, 30.6386 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(0, 226, 131) }
```


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

```
.border{ border-color:rgb(0, 226, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 226, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 226, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 226, 131);  
box-shadow:4px 4px 4px 4px rgb(0, 226,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2931, 56.0314, 30.6386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 226, 131) }
```

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

```
.background{ background-color: rgb(0, 226,  
131) }
```

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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