

Converting Colors

XYZ(29.9010, 55.4765, 23.3021)

Have a look what the booklet for
XYZ(29.9010, 55.4765, 23.3021)
contains.

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Color

**XYZ(29.9031, 55.4754,
23.3191)**

Conversions

Conversions Part 1

Format	Color
Hex	00E26C
RGB	0, 226, 108
RGB Percent	0%, 89%, 42%
CMY	1.0000, 0.1137, 0.5765
CMYK	1.00, 0.00, 0.52, 0.11
HSL	149°, 100%, 44%
HSV	149°, 100%, 89%
XYZ	29.9031, 55.4754, 23.3191
YIQ	144.9740, -96.8180, -84.6100

Conversions

Conversions Part 2

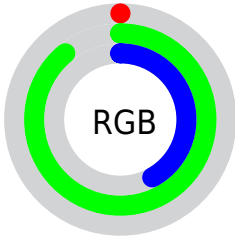
Format	Color
RYB	0, 153, 226
Decimal	57964
CIELab	79.31, -70.77, 44.68
CIELCh	79, 83.693, 147.737
Yxy	55.4754, 0.2751, 0.5104
Android (android.graphics.Color)	4278248044 (0xFF00E26C)
YUV	144.9740, -18.2282, -127.1422
Hunter-Lab	74.4818, -58.6786, 33.5745

Details

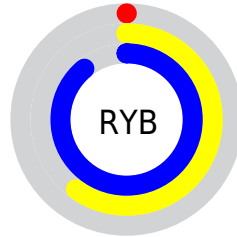
The XYZ color **29.9031, 55.4754, 23.3191** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **34.6360, 17.4778, 18.6909**, and the grayscale version is **27.0050, 28.4114, 30.9400**.

A 20% lighter version of the original color is **48.4659, 77.3168, 46.5516**, and **14.9018, 28.6615, 8.4882** is the 20% darker color. If you saturate the color by 10%, you get **29.9041, 55.4775, 23.3189**, and if you desaturate by 10%, it is **30.9202, 55.9237, 26.8716**.

Distribution



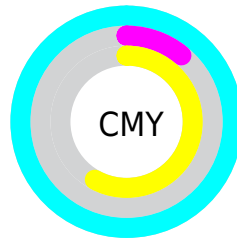
- Red (0%)
- Green (89%)
- Blue (42%)



- Red (0%)
- Yellow (60%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9031, 55.4754, 23.3191 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 29.9031, 55.4754, 23.3191 by changing the saturation by 10% instead.


 29.9031, 55.4754,
23.3191


 29.9031, 55.4754,
23.3191


293.3705,
407.7115, 282.5346


 19.9128, 39.7825,
14.6218


 58.8966, 98.2371,
49.8466


 12.4395, 27.3690,
8.4107


 78.6304, 126.0747,
68.5138


 7.1181, 17.8505,
4.2673


 102.3428,
158.7294, 91.3415

 3.5830, 10.8427,
1.7731

 130.3991,
196.5854, 118.7481

 1.4691, 5.9612,
0.4101

 163.1647,
240.0272, 151.1521

 0.3046, 2.8215,
0.0000

201.0049,

 0.0000, 1.0393,

289.4393, 188.9722

0.0000

244.2850,
345.2059, 232.6269

■ 0.0000, 0.0000,
0.0000

■ 29.9031, 55.4754,
23.3191

■ 29.9031, 55.4754,
23.3191

■ 29.9041, 55.4775,
23.3189

■ 30.9202, 55.9237,
26.8716

■ 32.4267, 56.6126,
30.9064

■ 34.5568, 57.6124,
35.4467

■ 37.3877, 58.9626,
40.5113

■ 40.9846, 60.6965,
46.1177

■ 45.4050, 62.8435,
52.2823

■ 50.7006, 65.4298,
59.0209

■ 56.9186, 68.4796,
66.3486

■ 64.1030, 72.0151,
74.2797

Harmonies

Analogous

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



39.1070, 55.4754, 10.0078



29.9031, 55.4754, 23.3191



26.6383, 55.4754, 56.8327

Triad

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



29.9031, 55.4754, 23.3191



51.4657, 55.4754, 207.5065



86.7005, 55.4754, 26.8275

Complementary

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



29.9031, 55.4754, 23.3191



34.6360, 17.4778, 18.6909

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.



91.9257, 55.4754, 64.1204



29.9031, 55.4754, 23.3191



69.1924, 55.4754, 184.4378

Square

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



29.9031, 55.4754, 23.3191



37.3292, 55.4754, 176.8753



84.9403, 55.4754, 124.2724



71.8672, 55.4754, 11.1476

Rectangle

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



29.9031, 55.4754, 23.3191



27.6055, 55.4754, 93.1072



84.9403, 55.4754, 124.2724



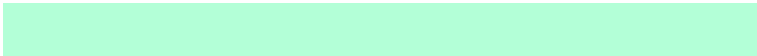
89.7604, 55.4754, 36.4241

Sweetspot

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



29.9045, 55.4777, 23.3204



66.5080, 85.9534, 77.4132



35.0183, 58.4266, 9.4321



13.5742, 18.0742, 15.7461



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.



29.9045, 55.4777, 23.3204



39.2638, 72.9215, 30.3708



39.9141, 59.4815, 76.0305



13.8002, 15.4458, 15.9830



17.1189, 31.6724, 13.6149



1.2316, 2.2134, 1.1809

Inverse Universe

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



34.6360, 17.4778, 18.6909



45.4837, 22.9575, 24.2772



31.4067, 16.1861, 1.6855



14.0047, 13.8195, 15.7947



19.8193, 9.9947, 10.9802



1.4190, 0.7109, 0.9991

Previews

White Background



This preview shows how the XYZ color 29.9031, 55.4754, 23.3191 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 29.9031, 55.4754, 23.3191 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

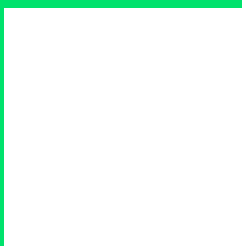
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9031, 55.4754, 23.3191

Background



This preview shows how black text looks on a background with the XYZ color 29.9031, 55.4754, 23.3191.



This preview shows how white text looks on a background with the XYZ color 29.9031, 55.4754,

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

29.9031, 55.4754, 23.3191

Protanopia

49.7440, 54.3591, 19.4258

Deuteranopia

55.4210, 54.2587, 24.6915



Tritanopia

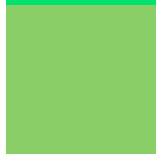
42.0077, 55.3279, 83.3282

Trichromacy



Original Color

29.9031, 55.4754, 23.3191



Protanomaly

34.7861, 50.4203, 20.4690



Deuteranomaly

36.5016, 49.4722, 23.5448



Tritanomaly

35.5099, 54.5002, 55.1024

Monochromacy



Original Color

29.9031, 55.4754, 23.3191



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

23.7145, 34.2134, 27.1837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9031, 55.4754, 23.3191 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, 108)` looks like.

```
.text, #text, p{  
    color:rgb(0, 226, 108)  
}
```

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, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 226, 108) }
```

Border

The CSS property to change the border of an element to XYZ 29.9031, 55.4754, 23.3191 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, 108) }
```


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

```
.border{ border-color:rgb(0, 226, 108) }
```

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, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 226, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 226, 108);  
box-shadow:4px 4px 4px 4px rgb(0, 226,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9031, 55.4754, 23.3191 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, 108) }
```

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

```
.background{ background-color: rgb(0, 226,  
108) }
```

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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