

Converting Colors

XYZ(29.3408, 55.6650, 19.0803)

Have a look what the booklet for
XYZ(29.3408, 55.6650, 19.0803)
contains.

XYZ(29.3574, 55.6935, 19.1002)	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(29.3574, 55.6935,
19.1002)**

Conversions

Conversions Part 1

Format	Color
Hex	00E35B
RGB	0, 227, 91
RGB Percent	0%, 89%, 36%
CMY	1.0000, 0.1098, 0.6431
CMYK	1.00, 0.00, 0.60, 0.11
HSL	144°, 100%, 45%
HSV	144°, 100%, 89%
XYZ	29.3574, 55.6935, 19.1002
YIQ	143.6230, -91.6360, -90.4200

Conversions

Conversions Part 2

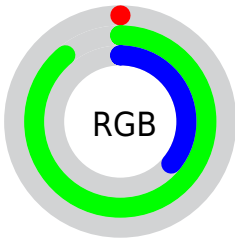
Format	Color
RYB	0, 162, 227
Decimal	58203
CIELab	79.44, -73.39, 52.59
CIELCh	79, 90.289, 144.375
Yxy	55.6935, 0.2819, 0.5347
Android (android.graphics.Color)	4278248283 (0xFF00E35B)
YUV	143.6230, -25.9431, -125.9574
Hunter-Lab	74.6281, -60.3803, 37.0651

Details

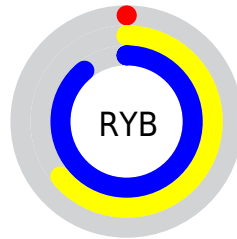
The XYZ color **29.3574, 55.6935, 19.1002** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **36.1242, 18.1094, 24.8862**, and the grayscale version is **26.4866, 27.8660, 30.3460**.

A 20% lighter version of the original color is **47.1775, 76.8155, 39.1284**, and **14.6932, 28.8768, 6.4684** is the 20% darker color. If you saturate the color by 10%, you get **29.3585, 55.6957, 19.1006**, and if you desaturate by 10%, it is **30.3463, 56.1309, 22.4932**.

Distribution



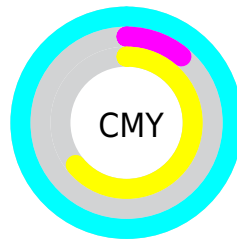
- Red (0%)
- Green (89%)
- Blue (36%)



- Red (0%)
- Yellow (64%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (11%)



- Cyan (100%)
- Magenta (11%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3574, 55.6935, 19.1002 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 29.3574, 55.6935, 19.1002 by changing the saturation by 10% instead.

■ 29.3574, 55.6935,
19.1002

■ 29.3574, 55.6935,
19.1002

290.8614,
408.5354, 259.4425

■ 19.4970, 39.9572,
11.5652

■ 58.0381, 98.5563,
42.7423

■ 12.1361, 27.5052,
6.3294

■ 77.5891, 126.4516,
59.6864

■ 6.9093, 17.9530,
2.9744

■ 101.1010,
159.1688, 80.6040

■ 3.4513, 10.9163,
1.0816

■ 128.9391,
197.0921, 105.9136

■ 1.3966, 6.0105,
0.0000

■ 161.4689,
240.6060, 136.0337

■ 0.2538, 2.8515,
0.0000

199.0556,

■ 0.0000, 1.0547,

290.0950, 171.3828

0.0000

242.0647,
345.9433, 212.3796

■ 0.0000, 0.0000,
0.0000

■ 29.3574, 55.6935,
19.1002

■ 29.3574, 55.6935,
19.1002

■ 29.3585, 55.6957,
19.1006

■ 30.3463, 56.1309,
22.4932

■ 31.8525, 56.8204,
26.4921

■ 34.0131, 57.8337,
31.1303

■ 36.9078, 59.2116,
36.4360

■ 40.6043, 60.9882,
42.4354

■ 45.1622, 63.1939,
49.1530

■ 50.6351, 65.8559,
56.6123

■ 57.0722, 68.9990,
64.8354

■ 64.5190, 72.6463,
73.8438

Harmonies

Analogous

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



39.8140, 55.6935, 7.5894



29.3574, 55.6935, 19.1002



25.2729, 55.6935, 51.3728

Triad

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



29.3574, 55.6935, 19.1002



49.5914, 55.6935, 224.1016



91.4530, 55.6935, 28.0690

Complementary

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



29.3574, 55.6935, 19.1002



36.1242, 18.1094, 24.8862

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.



95.7500, 55.6935, 70.9612



29.3574, 55.6935, 19.1002



68.6619, 55.6935, 204.5790

Square

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



29.3574, 55.6935, 19.1002



35.1176, 55.6935, 183.3491



86.6215, 55.6935, 139.3483



75.9434, 55.6935, 10.3103

Rectangle

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



29.3574, 55.6935, 19.1002



25.8412, 55.6935, 88.9518



86.6215, 55.6935, 139.3483



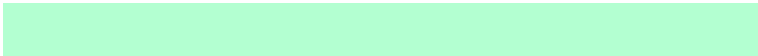
94.3858, 55.6935, 39.0814

Sweetspot

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



29.3587, 55.6958, 19.1015



65.7644, 85.6560, 73.4972



37.6568, 60.1918, 9.6336



13.3994, 18.0043, 14.8256



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.



29.3587, 55.6958, 19.1015



38.1694, 72.4838, 24.6076



38.4059, 59.3146, 66.7429



14.4275, 16.1844, 16.5160



17.1753, 32.5022, 11.4236



1.3141, 2.4198, 1.0806

Inverse Universe

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



36.1242, 18.1094, 24.8862



46.9713, 23.5525, 32.1107



31.8316, 16.3924, 2.2816



14.7377, 14.5123, 16.8191



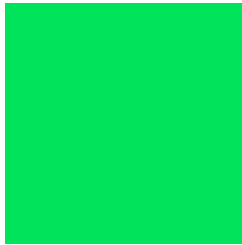
21.1259, 10.5846, 14.8239



1.6067, 0.8004, 1.3356

Previews

White Background



This preview shows how the XYZ color 29.3574, 55.6935, 19.1002 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 29.3574, 55.6935, 19.1002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

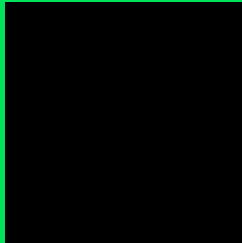
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.3574, 55.6935, 19.1002

Background



This preview shows how black text looks on a background with the XYZ color 29.3574, 55.6935, 19.1002.



This preview shows how white text looks on a background with the XYZ color 29.3574, 55.6935,

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

29.3574, 55.6935, 19.1002

Protanopia

49.6156, 54.3760, 15.6652

Deuteranopia

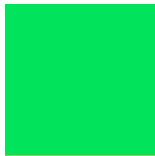
55.6037, 54.4478, 20.4108



Tritanopia

42.2936, 55.4753, 83.3416

Trichromacy



Original Color

29.3574, 55.6935, 19.1002



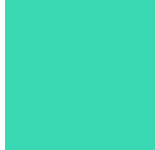
Protanomaly

34.4337, 50.6848, 16.5626



Deuteranomaly

36.0877, 49.3495, 19.4278



Tritanomaly

34.8954, 54.2673, 51.2833

Monochromacy



Original Color

29.3574, 55.6935, 19.1002



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

23.2514, 34.0281, 24.7446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3574, 55.6935, 19.1002 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, 227, 91)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 91)  
}
```

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, 227, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 91) }
```

Border

The CSS property to change the border of an element to XYZ 29.3574, 55.6935, 19.1002 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, 227, 91) }
```


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

```
.border{ border-color:rgb(0, 227, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 227, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 91);  
box-shadow:4px 4px 4px 4px rgb(0, 227, 91)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.3574, 55.6935, 19.1002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 91) }
```

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

```
.background{ background-color: rgb(0, 227,  
91) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor