

Converting Colors

XYZ(31.2337, 55.7938, 29.0437)

Have a look what the booklet for
XYZ(31.2337, 55.7938, 29.0437)
contains.

| | |
|--|----|
| XYZ(31.1569, 55.5894, 29.1664) | 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(31.1569, 55.5894,
29.1664)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 19E17F |
| RGB | 25, 225, 127 |
| RGB Percent | 10%, 88%, 50% |
| CMY | 0.9019, 0.1176, 0.5019 |
| CMYK | 0.89, 0.00, 0.44, 0.12 |
| HSL | 151°, 80%, 49% |
| HSV | 151°, 89%, 88% |
| XYZ | 31.1569, 55.5894, 29.1664 |
| YIQ | 154.0280, -87.7420, -72.8780 |

Conversions

Conversions Part 2

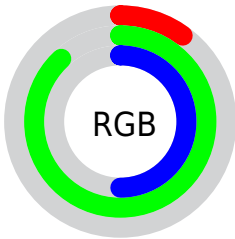
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 25, 157, 225 |
| Decimal | 1696127 |
| CIELab | 79.38, -66.37, 35.52 |
| CIELCh | 79, 75.274, 151.842 |
| Yxy | 55.5894, 0.2688, 0.4796 |
| Android (android.graphics.Color) | 4279886207 (0xFF19E17F) |
| YUV | 154.0280, -13.3248, -113.1576 |
| Hunter-Lab | 74.5583, -55.8843, 28.9972 |

Details

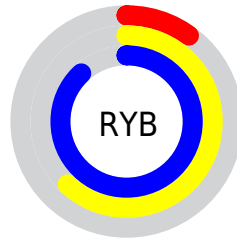
The XYZ color **31.1569, 55.5894, 29.1664** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **34.9761, 18.1341, 20.3989**, and the grayscale version is **30.8137, 32.4184, 35.3036**.

A 20% lighter version of the original color is **50.7826, 78.3009, 56.1531**, and **15.3071, 28.5271, 11.5370** is the 20% darker color. If you saturate the color by 10%, you get **30.1087, 55.1291, 25.5701**, and if you desaturate by 10%, it is **32.7116, 56.3048, 33.1994**.

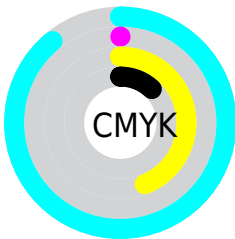
Distribution



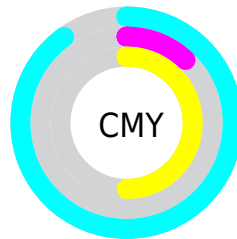
- Red (10%)
- Green (88%)
- Blue (50%)



- Red (10%)
- Yellow (62%)
- Blue (88%)



- Cyan (89%)
- Magenta (0%)
- Yellow (44%)
- Black (12%)





- Cyan (90%)
- Magenta (12%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1569, 55.5894, 29.1664 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 31.1569, 55.5894, 29.1664 by changing the saturation by 10% instead.


 31.1569, 55.5894,
29.1664


 31.1569, 55.5894,
29.1664


299.0745,
408.1423, 312.0847


 20.8708, 39.8738,
18.9601


 60.8612, 98.4040,
59.3867


 13.1415, 27.4402,
11.4649


 81.0100, 126.2718,
80.2377

 7.6037, 17.9041,
6.2624


 105.1772,
158.9591, 105.4741

 3.8921, 10.8811,
2.9339

 133.7279,
196.8503, 135.5144

 1.6413, 5.9870,
1.0610

 167.0277,
240.3298, 170.7770

 0.4191, 2.8372,
0.0000

205.4418,

 0.0000, 1.0473,

289.7821, 211.6806

0.0000

249.3356,
345.5914, 258.6436

■ 0.0000, 0.0000,
0.0000

■ 31.1569, 55.5894,
29.1664

■ 31.1569, 55.5894,
29.1664

■ 30.1087, 55.1291,
25.5701

■ 32.7116, 56.3048,
33.1994

■ 30.0063, 55.0845,
25.1946

■ 34.8819, 57.3266,
37.6830

■ 37.7431, 58.6950,
42.6342

■ 41.3586, 60.4423,
48.0673

■ 45.7837, 62.5969,
53.9962

■ 51.0688, 65.1844,
60.4338

■ 57.2596, 68.2283,
67.3927

■ 64.3988, 71.7503,
74.8848

■ 72.5261, 75.7706,
82.9219

Harmonies

Analogous

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



38.9560, 55.5894, 13.8162



31.1569, 55.5894, 29.1664



28.8134, 55.5894, 63.2384

Triad

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



31.1569, 55.5894, 29.1664



53.7744, 55.5894, 187.4048



81.5243, 55.5894, 26.4138

Complementary

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



31.1569, 55.5894, 29.1664



34.9761, 18.1341, 20.3989

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.



87.4754, 55.5894, 57.8950



31.1569, 55.5894, 29.1664



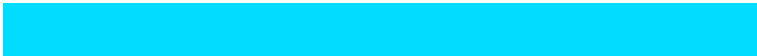
69.6742, 55.5894, 162.1516

Square

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



31.1569, 55.5894, 29.1664



40.2896, 55.5894, 167.3594



82.7762, 55.5894, 108.8339



67.7493, 55.5894, 12.8422

Rectangle

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



31.1569, 55.5894, 29.1664



30.2162, 55.5894, 97.0161



82.7762, 55.5894, 108.8339



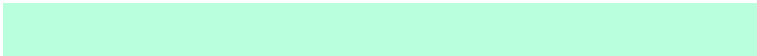
84.6126, 55.5894, 34.5712

Sweetspot

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



31.1583, 55.5916, 29.1677



69.1323, 87.2124, 81.7800



35.5602, 58.2832, 10.2958



14.2373, 18.3923, 16.8499



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.



31.1583, 55.5916, 29.1677



39.7923, 73.1329, 33.1539



40.9185, 59.4957, 80.5641



13.8190, 15.4533, 16.0823



17.3496, 31.7647, 14.8298



1.2478, 2.2198, 1.2660

Inverse Universe

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



34.9761, 18.1341, 20.3989



44.9388, 22.7395, 21.4074



31.5759, 16.7740, 2.4937



13.9858, 13.8119, 15.6952



19.5817, 9.8997, 9.7291



1.4024, 0.7043, 0.9121

Previews

White Background



This preview shows how the XYZ color 31.1569, 55.5894, 29.1664 looks on a white background.

Color Contrast Check

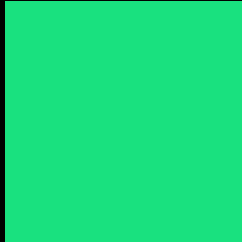
Large Text (above 18pt) WCAG AA × Fail

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 31.1569, 55.5894, 29.1664 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

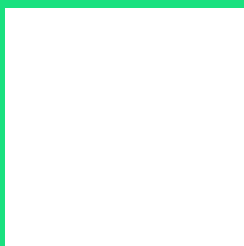
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1569, 55.5894, 29.1664

Background



This preview shows how black text looks on a background with the XYZ color 31.1569, 55.5894, 29.1664.



This preview shows how white text looks on a background with the XYZ color 31.1569, 55.5894,

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

31.1569, 55.5894, 29.1664

Protanopia

50.1081, 54.4373, 24.3895

Deuteranopia

55.2816, 54.0512, 30.8118



Tritanopia

41.9149, 55.2801, 83.3239

Trichromacy



Original Color

31.1569, 55.5894, 29.1664



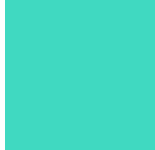
Protanomaly

37.1385, 51.5184, 25.7559



Deuteranomaly

38.7925, 50.1701, 29.8295



Tritanomaly

36.5528, 54.5660, 59.0578

Monochromacy



Original Color

31.1569, 55.5894, 29.1664



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

27.4187, 37.7819, 32.2331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1569, 55.5894, 29.1664 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(25, 225, 127)` looks like.

```
.text, #text, p{  
    color:rgb(25, 225, 127)  
}
```

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(25, 225, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 225, 127) }
```

Border

The CSS property to change the border of an element to XYZ 31.1569, 55.5894, 29.1664 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(25, 225, 127) }
```


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

```
.border{ border-color:rgb(25, 225, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 225, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 225, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 225, 127);  
box-shadow:4px 4px 4px 4px rgb(25, 225,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1569, 55.5894, 29.1664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 225, 127) }
```

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

```
.background{ background-color: rgb(25, 225,  
127) }
```

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