

Converting Colors

XYZ(31.8417, 52.0473, 30.0172)

Have a look what the booklet for
XYZ(31.8417, 52.0473, 30.0172)
contains.

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Color

**XYZ(31.7905, 51.9889,
29.8321)**

Conversions

Conversions Part 1

Format	Color
Hex	51D783
RGB	81, 215, 131
RGB Percent	32%, 84%, 51%
CMY	0.6823, 0.1568, 0.4863
CMYK	0.62, 0.00, 0.39, 0.16
HSL	142°, 63%, 58%
HSV	142°, 62%, 84%
XYZ	31.7905, 51.9889, 29.8321
YIQ	165.3580, -52.9000, -54.5320

Conversions

Conversions Part 2

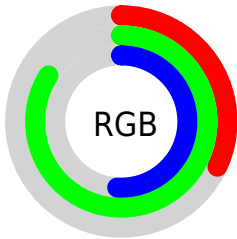
Format	Color
RYB	81, 179, 215
Decimal	5363587
CIELab	77.27, -54.97, 30.92
CIELCh	77, 63.068, 150.643
Yxy	51.9889, 0.2798, 0.4576
Android (android.graphics.Color)	4283553667 (0xFF51D783)
YUV	165.3580, -16.9385, -73.9820
Hunter-Lab	72.1033, -47.4798, 25.9416

Details

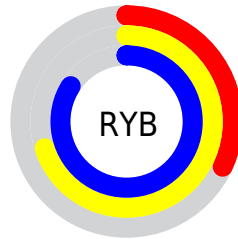
The XYZ color **31.7905, 51.9889, 29.8321** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **37.7599, 23.0495, 38.0577**, and the grayscale version is **36.0343, 37.9109, 41.2850**.

A 20% lighter version of the original color is **55.6723, 80.7736, 58.5556**, and **13.8461, 25.3755, 11.7576** is the 20% darker color. If you saturate the color by 10%, you get **29.3768, 50.8448, 25.2575**, and if you desaturate by 10%, it is **34.9089, 53.4854, 35.0623**.

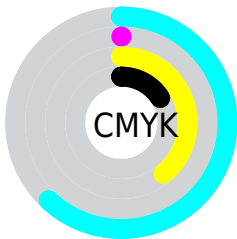
Distribution



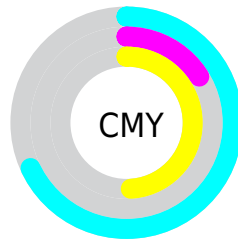
- Red (32%)
- Green (84%)
- Blue (51%)



- Red (32%)
- Yellow (70%)
- Blue (84%)



- Cyan (62%)
- Magenta (0%)
- Yellow (39%)
- Black (16%)





- Cyan (68%)
- Magenta (16%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7905, 51.9889, 29.8321 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 31.7905, 51.9889, 29.8321 by changing the saturation by 10% instead.


 31.7905, 51.9889,
29.8321


 31.7905, 51.9889,
29.8321


301.9261,
394.3938, 315.3040


 21.3563, 36.9962,
19.4602


 61.8499, 93.1149,
60.4544


 13.4986, 25.2046,
11.8231


 82.2059, 120.0170,
81.5419

 7.8522, 16.2295,
6.5023

 106.5998,
151.6576, 107.0384

 4.0515, 9.6867,
3.0791

 135.3970,
188.4213, 137.3624

 1.7313, 5.1917,
1.1352

168.9629,
230.6924, 172.9324

 0.4757, 2.3602,
0.0000

207.6628,

 0.0000, 0.8053,

278.8552, 214.1669

0.0000

251.8621,
333.2942, 261.4846

■ 0.0000, 0.0000,
0.0000

■ 31.7905, 51.9889,
29.8321

■ 31.7905, 51.9889,
29.8321

■ 29.3768, 50.8448,
25.2575

■ 34.9089, 53.4854,
35.0623

■ 27.6019, 50.0154,
21.3083

■ 38.7820, 55.3553,
40.9695

■ 26.3935, 49.4654,
17.9570

■ 43.4597, 57.6253,
47.5786

■ 25.7577, 49.1854,
15.7692

■ 48.9864, 60.3179,
54.9120

■ 55.4031, 63.4536,
62.9911

■ 62.7482, 67.0520,
71.8364

■ 71.0576, 71.1311,
81.4676

■ 80.3655, 75.7081,
91.9037

■ 83.1602, 76.9104,
102.8099

Harmonies

Analogous

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



38.4837, 51.9889, 16.4668



31.7905, 51.9889, 29.8321



29.6176, 51.9889, 57.3580

Triad

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



31.7905, 51.9889, 29.8321



49.6754, 51.9889, 152.7308



72.2428, 51.9889, 28.9951

Complementary

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



31.7905, 51.9889, 29.8321



37.7599, 23.0495, 38.0577

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.



76.5051, 51.9889, 55.8627



31.7905, 51.9889, 29.8321



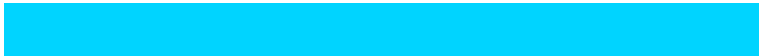
62.2394, 51.9889, 135.4138

Square

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



31.7905, 51.9889, 29.8321



38.8677, 51.9889, 136.7555



72.5796, 51.9889, 95.9367



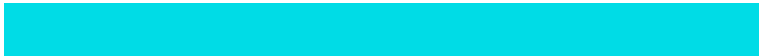
61.7135, 51.9889, 16.1407

Rectangle

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



31.7905, 51.9889, 29.8321



30.6907, 51.9889, 83.4823



72.5796, 51.9889, 95.9367



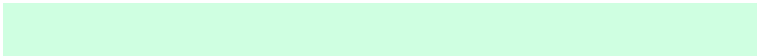
74.5261, 51.9889, 36.2243

Sweetspot

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



31.7918, 51.9910, 29.8333



74.9065, 90.1366, 84.4187



41.4853, 57.2899, 16.6565



15.4766, 19.0213, 17.3568



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.



31.7918, 51.9910, 29.8333



42.2392, 74.3540, 35.0885



37.7887, 54.3898, 61.4122



12.4521, 13.9719, 14.1954



15.4529, 29.4365, 9.6806



0.9715, 1.7913, 0.7917

Inverse Universe

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



37.7599, 23.0495, 38.0577



51.6732, 28.3442, 47.8964



33.2139, 21.2311, 14.1190



12.7474, 12.5504, 14.6099



19.4210, 9.7047, 14.7872



1.2109, 0.6011, 1.0997

Previews

White Background



This preview shows how the XYZ color 31.7905, 51.9889, 29.8321 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 31.7905, 51.9889, 29.8321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

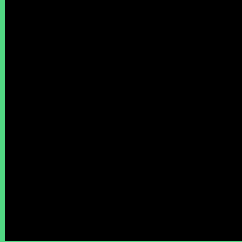
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.7905, 51.9889, 29.8321

Background



This preview shows how black text looks on a background with the XYZ color 31.7905, 51.9889, 29.8321.



This preview shows how white text looks on a background with the XYZ color 31.7905, 51.9889,

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

31.7905, 51.9889, 29.8321

Protanopia

47.1024, 50.8975, 25.4308

Deuteranopia

51.9245, 50.7591, 31.4869



Tritanopia

40.9507, 51.6574, 76.2192

Trichromacy



Original Color

31.7905, 51.9889, 29.8321



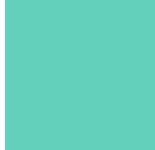
Protanomaly

38.5937, 49.4459, 26.9119



Deuteranomaly

40.5272, 48.6882, 30.5543



Tritanomaly

36.7786, 51.3952, 55.5588

Monochromacy



Original Color

31.7905, 51.9889, 29.8321



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

32.5148, 41.2352, 36.3825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7905, 51.9889, 29.8321 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(81, 215, 131)` looks like.

```
.text, #text, p{  
    color:rgb(81, 215, 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(81, 215, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 215, 131) }
```

Border

The CSS property to change the border of an element to XYZ 31.7905, 51.9889, 29.8321 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(81, 215, 131) }
```


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

```
.border{ border-color:rgb(81, 215, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 215, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 215, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 215, 131);  
box-shadow:4px 4px 4px 4px rgb(81, 215,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7905, 51.9889, 29.8321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 215, 131) }
```

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

```
.background{ background-color: rgb(81, 215,  
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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