

Converting Colors

XYZ(30.0648, 52.0876, 28.7177)

Have a look what the booklet for
XYZ(30.0648, 52.0876, 28.7177)
contains.

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Color

**XYZ(30.1688, 52.3281,
28.5889)**

Conversions

Conversions Part 1

Format	Color
Hex	31DA7F
RGB	49, 218, 127
RGB Percent	19%, 85%, 50%
CMY	0.8078, 0.1451, 0.5020
CMYK	0.78, 0.00, 0.42, 0.15
HSL	148°, 70%, 52%
HSV	148°, 78%, 85%
XYZ	30.1688, 52.3281, 28.5889
YIQ	157.0950, -71.5130, -64.1290

Conversions

Conversions Part 2

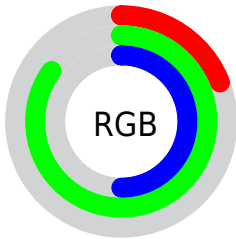
Format	Color
RYB	49, 165, 218
Decimal	3267199
CIELab	77.48, -61.85, 33.10
CIELCh	77, 70.146, 151.846
Yxy	52.3281, 0.2716, 0.4711
Android (android.graphics.Color)	4281457279 (0xFF31DA7F)
YUV	157.0950, -14.8368, -94.7993
Hunter-Lab	72.3382, -52.1479, 27.2046

Details

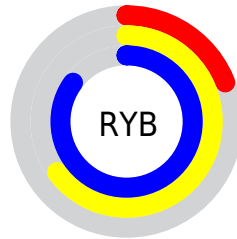
The XYZ color **30.1688, 52.3281, 28.5889** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **34.7471, 18.9966, 26.6484**, and the grayscale version is **32.1797, 33.8555, 36.8687**.

A 20% lighter version of the original color is **51.9856, 78.9211, 56.2094**, and **14.2248, 26.3625, 11.1762** is the 20% darker color. If you saturate the color by 10%, you get **28.6395, 51.6245, 24.7543**, and if you desaturate by 10%, it is **32.2979, 53.3335, 32.9192**.

Distribution



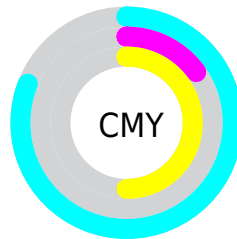
- Red (19%)
- Green (85%)
- Blue (50%)



- Red (19%)
- Yellow (65%)
- Blue (85%)



- Cyan (78%)
- Magenta (0%)
- Yellow (42%)
- Black (15%)





- Cyan (81%)
- Magenta (15%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1688, 52.3281, 28.5889 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 30.1688, 52.3281, 28.5889 by changing the saturation by 10% instead.


 30.1688, 52.3281,
28.5889


 30.1688, 52.3281,
28.5889


294.5862,
395.7020, 309.2703


 20.1155, 37.2667,
18.5272


 59.3138, 93.6149,
58.4577


 12.5877, 25.4140,
11.1558


 79.1362, 120.6091,
79.1017


 7.2203, 16.3858,
6.0562


 102.9457,
152.3497, 104.1104

 3.6478, 9.7976,
2.8100

 131.1075,
189.2210, 133.9021

 1.5049, 5.2649,
0.9984

 163.9871,
231.6075, 168.8954

 0.3292, 2.4035,
0.0000

201.9499,

 0.0000, 0.8277,

279.8936, 209.5088

0.0000

245.3611,
334.4636, 256.1609

■ 0.0000, 0.0000,
0.0000

■ 30.1688, 52.3281,
28.5889

■ 30.1688, 52.3281,
28.5889

■ 28.6395, 51.6245,
24.7543

■ 32.2979, 53.3335,
32.9192

■ 27.6146, 51.1695,
21.3917

■ 35.0905, 54.6689,
37.7600

■ 27.4025, 51.0768,
20.6278

■ 38.6057, 56.3659,
43.1295

■ 42.8950, 58.4506,
49.0442

■ 48.0048, 60.9468,
55.5193

■ 53.9778, 63.8761,
62.5698

■ 60.8535, 67.2587,
70.2098

■ 68.6690, 71.1134,
78.4531

■ 77.4594, 75.4579,
87.3129

Harmonies

Analogous

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



37.2505, 52.3281, 14.2655



30.1688, 52.3281, 28.5889



28.0288, 52.3281, 59.4066

Triad

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



30.1688, 52.3281, 28.5889



50.5778, 52.3281, 168.3697



75.2270, 52.3281, 26.0472

Complementary

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



30.1688, 52.3281, 28.5889



34.7471, 18.9966, 26.6484

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.



80.4793, 52.3281, 54.6134



30.1688, 52.3281, 28.5889



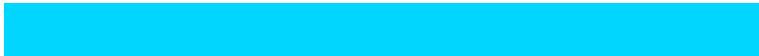
64.7402, 52.3281, 146.4178

Square

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



30.1688, 52.3281, 28.5889



38.4586, 52.3281, 150.9601



76.3349, 52.3281, 99.7818



63.0277, 52.3281, 13.3346

Rectangle

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



30.1688, 52.3281, 28.5889



29.3114, 52.3281, 89.3855



76.3349, 52.3281, 99.7818



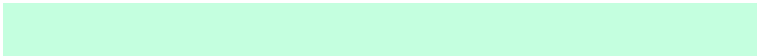
77.9536, 52.3281, 33.5345

Sweetspot

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



30.1701, 52.3302, 28.5901



71.9919, 88.6531, 83.4257



36.7743, 56.1133, 11.7989



14.7693, 18.6619, 17.0883



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.



30.1701, 52.3302, 28.5901



39.8571, 73.1873, 32.2078



37.9165, 55.4288, 69.3821



13.1353, 14.7057, 15.1753



16.4694, 30.6204, 12.6374



1.1102, 2.0010, 1.0462

Inverse Universe

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



34.7471, 18.9966, 26.6484



46.6071, 23.7491, 29.1379



30.7630, 17.4029, 5.6683



13.3477, 13.1682, 15.0924



19.3144, 9.7268, 11.3017



1.2946, 0.6475, 0.9605

Previews

White Background



This preview shows how the XYZ color 30.1688, 52.3281, 28.5889 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 30.1688, 52.3281, 28.5889 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 30.1688, 52.3281, 28.5889

Background



This preview shows how black text looks on a background with the XYZ color 30.1688, 52.3281, 28.5889.

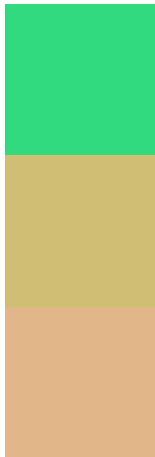


This preview shows how white text looks on a background with the XYZ color 30.1688, 52.3281,

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

30.1688, 52.3281, 28.5889

Protanopia

47.2980, 51.3533, 23.9423

Deuteranopia

52.2232, 51.2410, 30.4306



Tritanopia

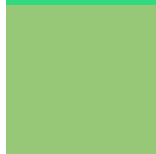
39.9465, 52.1775, 77.7779

Trichromacy



Original Color

30.1688, 52.3281, 28.5889



Protanomaly

36.6221, 49.1486, 25.3257



Deuteranomaly

38.4467, 48.3007, 29.4869



Tritanomaly

35.3519, 51.7559, 55.7036

Monochromacy



Original Color

30.1688, 52.3281, 28.5889



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

28.7796, 38.1671, 33.0443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1688, 52.3281, 28.5889 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(49, 218, 127)` looks like.

```
.text, #text, p{  
    color:rgb(49, 218, 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(49, 218, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 218, 127) }
```

Border

The CSS property to change the border of an element to XYZ 30.1688, 52.3281, 28.5889 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(49, 218, 127) }
```


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

```
.border{ border-color:rgb(49, 218, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 218, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 218, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 218, 127);  
box-shadow:4px 4px 4px 4px rgb(49, 218,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1688, 52.3281, 28.5889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 218, 127) }
```

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

```
.background{ background-color: rgb(49, 218,  
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](#).

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