

Converting Colors

XYZ(31.7812, 51.2482, 28.9857)

Have a look what the booklet for
XYZ(31.7812, 51.2482, 28.9857)
contains.

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Color

**XYZ(31.7812, 51.2482,
28.9857)**

Conversions

Conversions Part 1

Format	Color
Hex	58D581
RGB	88, 213, 129
RGB Percent	35%, 84%, 51%
CMY	0.6549, 0.1647, 0.4941
CMYK	0.59, 0.00, 0.39, 0.16
HSL	140°, 60%, 59%
HSV	140°, 59%, 84%
XYZ	31.7812, 51.2482, 28.9857
YIQ	166.0490, -47.5360, -52.6240

Conversions

Conversions Part 2

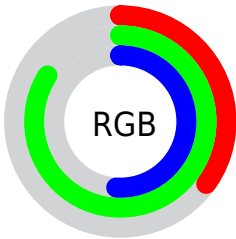
Format	Color
RYB	88, 182, 213
Decimal	5821825
CIELab	76.83, -53.08, 31.39
CIELCh	77, 61.672, 149.402
Yxy	51.2482, 0.2837, 0.4575
Android (android.graphics.Color)	4284011905 (0xFF58D581)
YUV	166.0490, -18.2652, -68.4490
Hunter-Lab	71.5878, -46.0342, 26.1052

Details

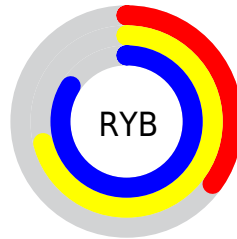
The XYZ color **31.7812, 51.2482, 28.9857** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **38.3783, 24.1052, 41.6615**, and the grayscale version is **36.3723, 38.2665, 41.6722**.

A 20% lighter version of the original color is **56.5200, 81.2348, 57.5007**, and **13.4808, 24.6849, 11.4513** is the 20% darker color. If you saturate the color by 10%, you get **29.1662, 50.0039, 24.2403**, and if you desaturate by 10%, it is **35.1211, 52.8536, 34.4631**.

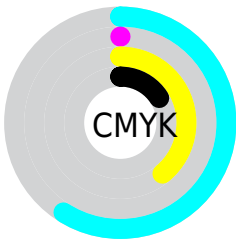
Distribution



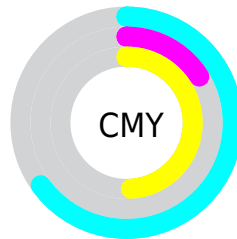
- Red (35%)
- Green (84%)
- Blue (51%)



- Red (35%)
- Yellow (71%)
- Blue (84%)



- Cyan (59%)
- Magenta (0%)
- Yellow (39%)
- Black (16%)



- Cyan (65%)
- Magenta (16%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7812, 51.2482, 28.9857 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 31.7812, 51.2482, 28.9857 by changing the saturation by 10% instead.

■ 31.7812, 51.2482,
28.9857

■ 31.7812, 51.2482,
28.9857

301.8844,
391.5273, 311.2063

■ 21.3492, 36.4062,
18.8245

■ 61.8354, 92.0215,
59.0963

■ 13.4934, 24.7481,
11.3680

■ 82.1883, 118.7217,
79.8828

■ 7.8485, 15.8894,
6.1977

■ 106.5789,
150.1433, 105.0481

■ 4.0491, 9.4460,
2.8949

■ 135.3725,
186.6707, 135.0108

■ 1.7300, 5.0332,
1.0412

168.9345,
228.6885, 170.1894

■ 0.4749, 2.2667,
0.0000

207.6303,

■ 0.0000, 0.7560,

276.5809, 211.0025

0.0000

251.8251,
330.7324, 257.8686

■ 0.0000, 0.0000,
0.0000

■ 31.7812, 51.2482,
28.9857

■ 31.7812, 51.2482,
28.9857

■ 29.1662, 50.0039,
24.2403

■ 35.1211, 52.8536,
34.4631

■ 27.2136, 49.0849,
20.1919

■ 39.2336, 54.8400,
40.6984

■ 25.8565, 48.4588,
16.8076

■ 44.1670, 57.2329,
47.7207

■ 24.9917, 48.0731,
14.0495

■ 49.9642, 60.0541,
55.5564

■ 24.8965, 48.0310,
13.7307

■ 56.6652, 63.3235,
64.2307

■ 64.3074, 67.0600,
73.7675

■ 72.9260, 71.2813,
84.1900

■ 81.2906, 75.3526,
95.4612

■ 83.0852, 76.0705,
104.9117

Harmonies

Analogous

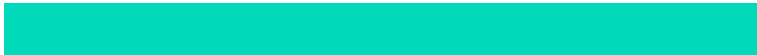
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.4681, 51.2482, 16.3582



31.7812, 51.2482, 28.9857



29.4808, 51.2482, 55.1299

Triad

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



31.7812, 51.2482, 28.9857



48.4751, 51.2482, 148.3465



71.0848, 51.2482, 29.7460

Complementary

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



31.7812, 51.2482, 28.9857



38.3783, 24.1052, 41.6615

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.



74.8813, 51.2482, 56.4767



31.7812, 51.2482, 28.9857



60.6250, 51.2482, 132.9729

Square

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



31.7812, 51.2482, 28.9857



38.1212, 51.2482, 131.7750



70.7827, 51.2482, 95.4953



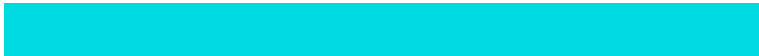
61.0975, 51.2482, 16.6572

Rectangle

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



31.7812, 51.2482, 28.9857



30.4045, 51.2482, 80.0883



70.7827, 51.2482, 95.4953



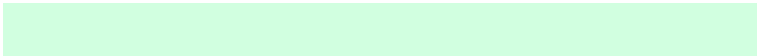
73.1921, 51.2482, 36.9985

Sweetspot

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



31.7825, 51.2503, 28.9869



75.5584, 90.4801, 84.1134



42.8833, 57.2273, 18.0187



15.5905, 19.0829, 17.2312



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.



31.7825, 51.2503, 28.9869



43.1569, 74.8277, 35.1079



37.1237, 53.3868, 57.1130



12.4287, 13.9625, 14.0719



15.2493, 29.3551, 8.6087



0.9574, 1.7856, 0.7175

Inverse Universe

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



38.3783, 24.1052, 41.6615



53.8744, 30.5042, 55.5433



33.7964, 22.2724, 17.5332



12.7717, 12.5602, 14.7382



19.8456, 9.8746, 17.0228



1.2344, 0.6105, 1.2237

Previews

White Background



This preview shows how the XYZ color 31.7812, 51.2482, 28.9857 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 31.7812, 51.2482, 28.9857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

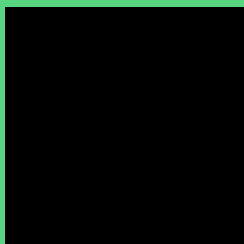
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

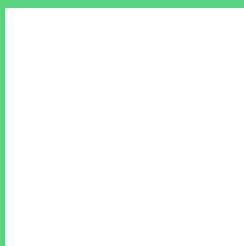
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7812, 51.2482, 28.9857

Background



This preview shows how black text looks on a background with the XYZ color 31.7812, 51.2482, 28.9857.



This preview shows how white text looks on a background with the XYZ color 31.7812, 51.2482,

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

31.7812, 51.2482, 28.9857

Protanopia

46.4898, 50.2775, 24.7070

Deuteranopia

51.2680, 50.1366, 30.6421



Tritanopia

40.7168, 50.8662, 74.6900

Trichromacy



Original Color

31.7812, 51.2482, 28.9857



Protanomaly

38.4417, 49.0439, 26.1792



Deuteranomaly

40.6083, 48.4192, 29.7598



Tritanomaly

36.6432, 50.6308, 54.2958

Monochromacy



Original Color

31.7812, 51.2482, 28.9857



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.1645, 41.5702, 36.4129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7812, 51.2482, 28.9857 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(88, 213, 129)` looks like.

```
.text, #text, p{  
    color:rgb(88, 213, 129)  
}
```

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(88, 213, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 213, 129) }
```

Border

The CSS property to change the border of an element to XYZ 31.7812, 51.2482, 28.9857 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(88, 213, 129) }
```


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

```
.border{ border-color:rgb(88, 213, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 213, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 213, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 213, 129);  
box-shadow:4px 4px 4px 4px rgb(88, 213,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7812, 51.2482, 28.9857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 213, 129) }
```

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

```
.background{ background-color: rgb(88, 213,  
129) }
```

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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