

Converting Colors

XYZ(30.5858, 52.9870, 26.0683)

Have a look what the booklet for
XYZ(30.5858, 52.9870, 26.0683)
contains.

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Color

**XYZ(30.5858, 52.9870,
26.0683)**

Conversions

Conversions Part 1

Format	Color
Hex	3DDB77
RGB	61, 219, 119
RGB Percent	24%, 86%, 47%
CMY	0.7608, 0.1412, 0.5333
CMYK	0.72, 0.00, 0.46, 0.14
HSL	142°, 69%, 55%
HSV	142°, 72%, 86%
XYZ	30.5858, 52.9870, 26.0683
YIQ	160.3580, -62.0680, -64.5960

Conversions

Conversions Part 2

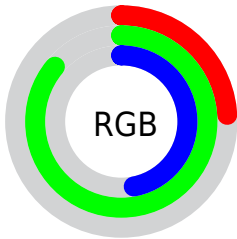
Format	Color
RYB	61, 177, 219
Decimal	4053879
CIELab	77.87, -61.97, 37.65
CIELCh	78, 72.509, 148.716
Yxy	52.9870, 0.2790, 0.4833
Android (android.graphics.Color)	4282243959 (0xFF3DDB77)
YUV	160.3580, -20.3895, -87.1370
Hunter-Lab	72.7922, -52.3842, 29.7216

Details

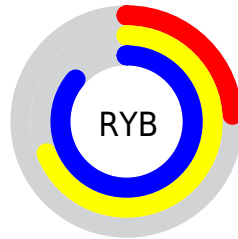
The XYZ color **30.5858, 52.9870, 26.0683** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **37.3169, 20.9719, 35.8015**, and the grayscale version is **33.6920, 35.4466, 38.6014**.

A 20% lighter version of the original color is **52.2597, 79.1657, 51.5559**, and **14.1406, 26.6117, 9.8601** is the 20% darker color. If you saturate the color by 10%, you get **28.7302, 52.1212, 21.9490**, and if you desaturate by 10%, it is **33.1156, 54.1893, 30.8553**.

Distribution



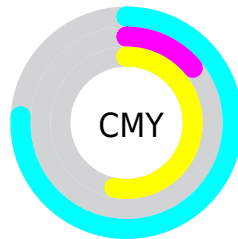
- Red (24%)
- Green (86%)
- Blue (47%)



- Red (24%)
- Yellow (69%)
- Blue (86%)



- Cyan (72%)
- Magenta (0%)
- Yellow (46%)
- Black (14%)



- Cyan (76%)
- Magenta (14%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.5858, 52.9870, 26.0683 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 30.5858, 52.9870, 26.0683 by changing the saturation by 10% instead.


 30.5858, 52.9870,
26.0683


 30.5858, 52.9870,
26.0683


296.4866,
398.2352, 296.7333


 20.4339, 37.7924,
16.6485


 59.9677, 94.5852,
54.3705


 12.8210, 25.8216,
9.8249

 79.9283, 121.7577,
74.0901


 7.3815, 16.6902,
5.1789


 103.8894,
153.6915, 98.0800

 3.7503, 10.0139,
2.2921

 132.2160,
190.7711, 126.7587

 1.5618, 5.4082,
0.7268

 165.2737,
233.3809, 160.5449

 0.3673, 2.4887,
0.0000

203.4278,

 0.0000, 0.8710,

281.9052, 199.8570

0.0000

247.0437,
336.7285, 245.1137

■ 0.0000, 0.0000,
0.0000

■ 30.5858, 52.9870,
26.0683

■ 30.5858, 52.9870,
26.0683

■ 28.7302, 52.1212,
21.9490

■ 33.1156, 54.1893,
30.8553

■ 27.4678, 51.5462,
18.4629


■ 36.3802, 55.7544,
36.3350


■ 26.7950, 51.2500,
16.1457


■ 40.4376, 57.7130,
42.5357


■ 45.3387, 60.0909,
49.4825

■ 51.1300, 62.9116,
57.1998

 57.8544, 66.1968,
65.7104

 65.5522, 69.9667,
75.0365

 74.2610, 74.2403,
85.1991

 82.8641, 78.4416,
96.1647

Harmonies

Analogous

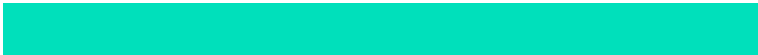
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.4410, 52.9870, 12.9081



30.5858, 52.9870, 26.0683



27.8532, 52.9870, 55.9742

Triad

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



30.5858, 52.9870, 26.0683



49.7585, 52.9870, 175.1289



78.0366, 52.9870, 27.8803

Complementary

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



30.5858, 52.9870, 26.0683



37.3169, 20.9719, 35.8015

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.



82.5719, 52.9870, 59.4484



30.5858, 52.9870, 26.0683



64.5245, 52.9870, 155.9232

Square

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



30.5858, 52.9870, 26.0683



37.5703, 52.9870, 152.5771



77.2273, 52.9870, 108.0555



65.7717, 52.9870, 13.5589

Rectangle

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



30.5858, 52.9870, 26.0683



28.8244, 52.9870, 86.3256



77.2273, 52.9870, 108.0555



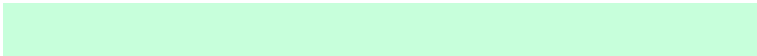
80.6062, 52.9870, 36.2167

Sweetspot

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



30.5871, 52.9892, 26.0695



72.1379, 88.7889, 80.6948



40.8870, 58.5863, 13.5687



14.9348, 18.7579, 16.6110



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.



30.5871, 52.9892, 26.0695



39.4628, 73.0741, 28.1203



37.4430, 55.7315, 62.1718



13.0831, 14.6849, 14.9007



15.9359, 30.4070, 9.8280



1.0731, 1.9862, 0.8510

Inverse Universe

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



37.3169, 20.9719, 35.8015



49.3854, 25.3950, 42.1200



32.4091, 19.0088, 9.9576



13.4010, 13.1895, 15.3731



20.1229, 10.0502, 15.5592



1.3446, 0.6675, 1.2237

Previews

White Background



This preview shows how the XYZ color 30.5858, 52.9870, 26.0683 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 30.5858, 52.9870, 26.0683 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 30.5858, 52.9870, 26.0683

Background



This preview shows how black text looks on a background with the XYZ color 30.5858, 52.9870, 26.0683.

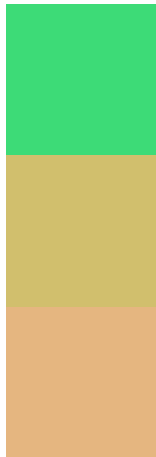


This preview shows how white text looks on a background with the XYZ color 30.5858, 52.9870,

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

30.5858, 52.9870, 26.0683

Protanopia

47.6856, 51.9210, 21.9765

Deuteranopia

52.9373, 51.6724, 27.6058



Tritanopia

40.9130, 52.6601, 78.5291

Trichromacy



Original Color

30.5858, 52.9870, 26.0683



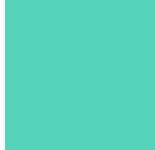
Protanomaly

37.3848, 49.9341, 23.2906



Deuteranomaly

39.3652, 48.8357, 26.7535



Tritanomaly

35.9035, 52.0650, 54.6116

Monochromacy



Original Color

30.5858, 52.9870, 26.0683



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

29.9469, 39.3772, 32.8102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5858, 52.9870, 26.0683 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(61, 219, 119)` looks like.

```
.text, #text, p{  
    color:rgb(61, 219, 119)  
}
```

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(61, 219, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 219, 119) }
```

Border

The CSS property to change the border of an element to XYZ 30.5858, 52.9870, 26.0683 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(61, 219, 119) }
```


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

```
.border{ border-color:rgb(61, 219, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 219, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 219, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 219, 119);  
box-shadow:4px 4px 4px 4px rgb(61, 219,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5858, 52.9870, 26.0683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 219, 119) }
```

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

```
.background{ background-color: rgb(61, 219,  
119) }
```

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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