

Converting Colors

XYZ(30.5526, 52.3246, 18.2532)

Have a look what the booklet for
XYZ(30.5526, 52.3246, 18.2532)
contains.

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Color

**XYZ(30.5888, 52.3901,
18.1730)**

Conversions

Conversions Part 1

Format	Color
Hex	57D95A
RGB	87, 217, 90
RGB Percent	34%, 85%, 35%
CMY	0.6588, 0.1490, 0.6470
CMYK	0.60, 0.00, 0.59, 0.15
HSL	121°, 63%, 60%
HSV	121°, 60%, 85%
XYZ	30.5888, 52.3901, 18.1730
YIQ	163.6520, -36.7130, -67.0570

Conversions

Conversions Part 2

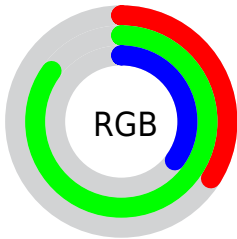
Format	Color
RYB	87, 214, 217
Decimal	5757274
CIELab	77.51, -60.43, 51.11
CIElCh	78, 79.148, 139.774
Yxy	52.3901, 0.3024, 0.5179
Android (android.graphics.Color)	4283947354 (0xFF57D95A)
YUV	163.6520, -36.3104, -67.2238
Hunter-Lab	72.3810, -51.2312, 35.7805

Details

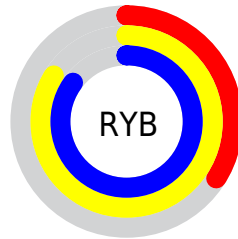
The XYZ color **30.5888, 52.3901, 18.1730** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **44.1624, 26.4239, 66.3917**, and the grayscale version is **35.3019, 37.1403, 40.4458**.

A 20% lighter version of the original color is **53.0068, 79.8295, 39.0004**, and **13.0633, 25.6171, 5.9252** is the 20% darker color. If you saturate the color by 10%, you get **28.0819, 51.1891, 13.9989**, and if you desaturate by 10%, it is **33.9643, 54.0122, 23.7329**.

Distribution



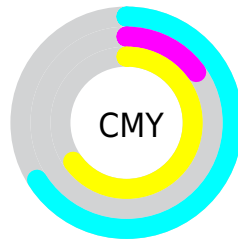
- Red (34%)
- Green (85%)
- Blue (35%)



- Red (34%)
- Yellow (84%)
- Blue (85%)



- Cyan (60%)
- Magenta (0%)
- Yellow (59%)
- Black (15%)



- Cyan (66%)
- Magenta (15%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5888, 52.3901, 18.1730 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 30.5888, 52.3901, 18.1730 by changing the saturation by 10% instead.

■ 30.5888, 52.3901,
18.1730

■ 30.5888, 52.3901,
18.1730

296.5002,
395.9408, 254.1131

■ 20.4362, 37.3161,
10.9035

■ 59.9724, 93.7063,
41.1498

■ 12.8226, 25.4523,
5.8887

■ 79.9340, 120.7173,
57.6942

■ 7.3827, 16.4144,
2.7098

■ 103.8961,
152.4761, 78.1674

■ 3.7510, 9.8179,
0.9484

■ 132.2240,
189.3671, 102.9878

■ 1.5623, 5.2784,
0.0000

165.2830,
231.7746, 132.5741

■ 0.3676, 2.4115,
0.0000

203.4385,

■ 0.0000, 0.8318,

280.0832, 167.3447

0.0000

247.0558,
334.6771, 207.7182

■ 0.0000, 0.0000,
0.0000

■ 30.5888, 52.3901,
18.1730

■ 30.5888, 52.3901,
18.1730

■ 28.0819, 51.1891,
13.9989

■ 33.9643, 54.0122,
23.7329

■ 26.3609, 50.3646,
11.0858

■ 38.2740, 56.0824,
30.7821

■ 25.3336, 49.8736,
9.2926

■ 43.5815, 58.6328,
39.4183

■ 24.8449, 49.6405,
8.4216

■ 49.9437, 61.6911,
49.7300

■ 24.8413, 49.6387,
8.4159

■ 57.4135, 65.2825,
61.7990

■ 66.0399, 69.4307,
75.7020

■ 75.8691, 74.1582,
91.5109

■ 84.1039, 78.1078,
105.2513

Harmonies

Analogous

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



40.5158, 52.3901, 8.8852



30.5888, 52.3901, 18.1730



26.1468, 52.3901, 43.3923

Triad

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



30.5888, 52.3901, 18.1730



44.7672, 52.3901, 186.0907



82.8138, 52.3901, 33.0812

Complementary

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



30.5888, 52.3901, 18.1730



44.1624, 26.4239, 66.3917

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.



84.6005, 52.3901, 73.2949



30.5888, 52.3901, 18.1730



60.3931, 52.3901, 178.2422

Square

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



30.5888, 52.3901, 18.1730



33.1524, 52.3901, 148.2296



75.7171, 52.3901, 130.3136



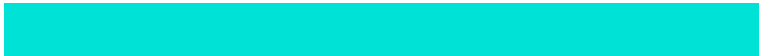
71.2425, 52.3901, 13.9396

Rectangle

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



30.5888, 52.3901, 18.1730



26.1207, 52.3901, 72.5277



75.7171, 52.3901, 130.3136



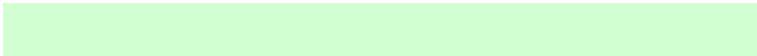
84.6576, 52.3901, 43.9373

Sweetspot

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



30.5901, 52.3923, 18.1742



73.7356, 89.7510, 74.5149



54.5108, 64.7383, 18.6397



15.1540, 18.9083, 14.9324



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.



30.5901, 52.3923, 18.1742



39.6800, 73.3916, 18.8469



34.5913, 53.9928, 39.2443



12.8987, 14.6111, 13.9293



15.0423, 30.0496, 5.1224



0.9789, 1.9485, 0.3550

Inverse Universe

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



44.1624, 26.4239, 66.3917



60.8934, 32.7674, 94.1830



37.5165, 23.7656, 31.3947



13.6007, 13.2694, 16.4246



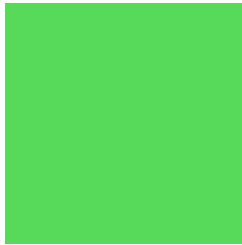
24.5207, 11.8093, 38.7177



1.5928, 0.7668, 2.5305

Previews

White Background



This preview shows how the XYZ color 30.5888, 52.3901, 18.1730 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 30.5888, 52.3901, 18.1730 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 30.5888, 52.3901, 18.1730

Background



This preview shows how black text looks on a background with the XYZ color 30.5888, 52.3901, 18.1730.

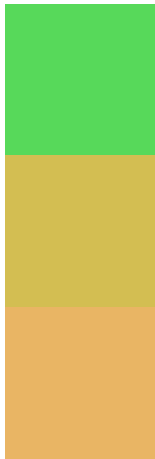


This preview shows how white text looks on a background with the XYZ color 30.5888, 52.3901,

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

30.5888, 52.3901, 18.1730

Protanopia

46.8004, 51.2850, 15.4150

Deuteranopia

52.4284, 51.2915, 19.1936



Tritanopia

42.1189, 52.2750, 75.5803

Trichromacy



Original Color

30.5888, 52.3901, 18.1730



Protanomaly

38.0199, 50.0714, 16.2552



Deuteranomaly

40.2255, 49.1314, 18.4295



Tritanomaly

36.4067, 51.7439, 47.6039

Monochromacy



Original Color

30.5888, 52.3901, 18.1730



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

31.6022, 40.9074, 29.8972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5888, 52.3901, 18.1730 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(87, 217, 90)` looks like.

```
.text, #text, p{  
    color:rgb(87, 217, 90)  
}
```

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(87, 217, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 217, 90) }
```

Border

The CSS property to change the border of an element to XYZ 30.5888, 52.3901, 18.1730 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(87, 217, 90) }
```


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

```
.border{ border-color:rgb(87, 217, 90) }
```

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

Here you see how a box with a 4 pixel rgb(87, 217, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 217, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 217, 90);  
box-shadow:4px 4px 4px 4px rgb(87, 217,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5888, 52.3901, 18.1730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 217, 90) }
```

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

```
.background{ background-color: rgb(87, 217,  
90) }
```

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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