

Converting Colors

XYZ(30.5156, 50.7530, 21.8236)

Have a look what the booklet for
XYZ(30.5156, 50.7530, 21.8236)
contains.

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Color

**XYZ(30.5156, 50.7530,
21.8236)**

Conversions

Conversions Part 1

Format	Color
Hex	59D56A
RGB	89, 213, 106
RGB Percent	35%, 84%, 42%
CMY	0.6510, 0.1647, 0.5843
CMYK	0.58, 0.00, 0.50, 0.16
HSL	128°, 60%, 59%
HSV	128°, 58%, 84%
XYZ	30.5156, 50.7530, 21.8236
YIQ	163.7260, -39.5570, -59.5650

Conversions

Conversions Part 2

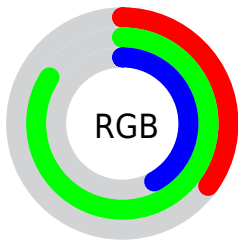
Format	Color
RYB	89, 198, 213
Decimal	5887338
CIELab	76.53, -56.46, 42.49
CIELCh	77, 70.662, 143.038
Yxy	50.7530, 0.2960, 0.4923
Android (android.graphics.Color)	4284077418 (0xFF59D56A)
YUV	163.7260, -28.4589, -65.5347
Hunter-Lab	71.2411, -48.2129, 31.7062

Details

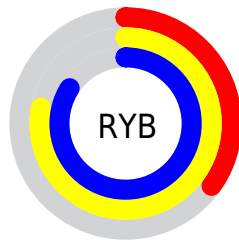
The XYZ color **30.5156, 50.7530, 21.8236** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **40.9783, 25.2773, 54.9451**, and the grayscale version is **35.3018, 37.1403, 40.4458**.

A 20% lighter version of the original color is **54.4124, 80.4128, 45.4543**, and **12.7591, 24.3962, 7.6509** is the 20% darker color. If you saturate the color by 10%, you get **27.9042, 49.5071, 17.2359**, and if you desaturate by 10%, it is **33.9256, 52.3898, 27.5201**.

Distribution



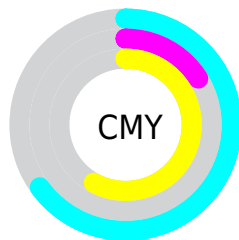
- Red (35%)
- Green (84%)
- Blue (42%)



- Red (35%)
- Yellow (78%)
- Blue (84%)



- Cyan (58%)
- Magenta (0%)
- Yellow (50%)
- Black (16%)





- Cyan (65%)
- Magenta (16%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.5156, 50.7530, 21.8236 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 30.5156, 50.7530, 21.8236 by changing the saturation by 10% instead.


 30.5156, 50.7530,
21.8236


 30.5156, 50.7530,
21.8236


296.1673,
389.6034, 274.5471

 20.3803, 36.0121,
13.5303


 59.8577, 91.2896,
47.3527


 12.7816, 24.4435,
7.6597

 79.7951, 117.8540,
65.4256

 7.3543, 15.6629,
3.7933


 103.7307,
149.1284, 87.5954

 3.7330, 9.2860,
1.5127

 132.0297,
185.4971, 114.2806

 1.5522, 4.9282,
0.2273

165.0575,
227.3446, 145.8999

 0.3609, 2.2052,
0.0000

203.1795,

 0.0000, 0.7228,

275.0552, 182.8717

0.0000

246.7610,
329.0133, 225.6146

■ 0.0000, 0.0000,
0.0000

■ 30.5156, 50.7530,
21.8236

■ 30.5156, 50.7530,
21.8236

■ 27.9042, 49.5071,
17.2359

■ 33.9256, 52.3898,
27.5201

■ 26.0218, 48.6134,
13.6817

■ 38.1888, 54.4400,
34.3877

■ 24.7932, 48.0363,
11.0814

■ 43.3593, 56.9316,
42.4878

■ 24.1102, 47.7220,
9.3417

■ 49.4857, 59.8884,
51.8769

■ 24.0196, 47.6803,
9.1130

■ 56.6129, 63.3325,
62.6077

■ 64.7834, 67.2846,
74.7302

■ 74.0367, 71.7643,
88.2915

■ 82.7716, 75.9451,
103.2602

■ 83.0853, 76.0705,
104.9118

Harmonies

Analogous

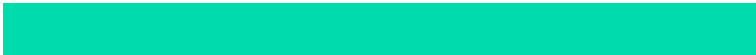
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.8850, 50.7530, 11.4884



30.5156, 50.7530, 21.8236



27.0020, 50.7530, 46.8297

Triad

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



30.5156, 50.7530, 21.8236



45.1975, 50.7530, 164.8935



75.8902, 50.7530, 31.2186

Complementary

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



30.5156, 50.7530, 21.8236



40.9783, 25.2773, 54.9451

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.



78.4282, 50.7530, 64.6489



30.5156, 50.7530, 21.8236



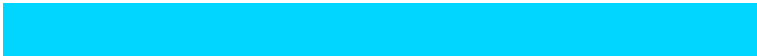
58.9847, 50.7530, 154.1215

Square

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



30.5156, 50.7530, 21.8236



34.4063, 50.7530, 137.1495



71.7633, 50.7530, 112.2176



65.3569, 50.7530, 14.9037

Rectangle

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



30.5156, 50.7530, 21.8236



27.3237, 50.7530, 73.5370



71.7633, 50.7530, 112.2176



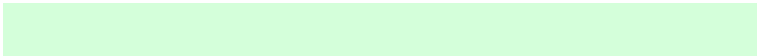
77.7776, 50.7530, 40.2962

Sweetspot

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



30.5169, 50.7551, 21.8247



75.4123, 90.5058, 79.5459



48.4860, 60.1108, 18.4985



15.7090, 19.1632, 16.3696



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.



30.5169, 50.7551, 21.8247



41.1281, 74.0161, 24.4241



34.9399, 52.5243, 45.1164



12.3311, 13.9234, 13.5578



14.6935, 29.1328, 5.6819



0.9092, 1.7663, 0.4637

Inverse Universe

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



40.9783, 25.2773, 54.9451



58.2160, 32.2408, 78.4057



35.3501, 23.0260, 25.3074



12.8764, 12.6020, 15.2892



22.0618, 10.7610, 28.6933



1.3513, 0.6573, 1.8396

Previews

White Background



This preview shows how the XYZ color 30.5156, 50.7530, 21.8236 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 30.5156, 50.7530, 21.8236 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 30.5156, 50.7530, 21.8236

Background



This preview shows how black text looks on a background with the XYZ color 30.5156, 50.7530, 21.8236.

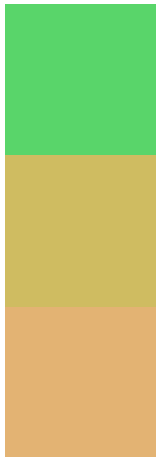


This preview shows how white text looks on a background with the XYZ color 30.5156, 50.7530,

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

30.5156, 50.7530, 21.8236

Protanopia

45.8730, 50.0949, 18.5608

Deuteranopia

50.8932, 49.8089, 23.1514



Tritanopia

40.7471, 50.5650, 73.2581

Trichromacy



Original Color

30.5156, 50.7530, 21.8236



Protanomaly

37.5763, 48.7451, 19.4849



Deuteranomaly

39.6869, 47.7786, 22.4597



Tritanomaly

35.8305, 49.9628, 49.3503

Monochromacy



Original Color

30.5156, 50.7530, 21.8236



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.0024, 40.7574, 32.1669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5156, 50.7530, 21.8236 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(89, 213, 106)` looks like.

```
.text, #text, p{  
    color:rgb(89, 213, 106)  
}
```

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(89, 213, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 213, 106) }
```

Border

The CSS property to change the border of an element to XYZ 30.5156, 50.7530, 21.8236 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(89, 213, 106) }
```


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

```
.border{ border-color:rgb(89, 213, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 213, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 213, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 213, 106);  
box-shadow:4px 4px 4px 4px rgb(89, 213,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5156, 50.7530, 21.8236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 213, 106) }
```

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

```
.background{ background-color: rgb(89, 213,  
106) }
```

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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