

Converting Colors

XYZ(30.9575, 56.8259, 23.8358)

Have a look what the booklet for
XYZ(30.9575, 56.8259, 23.8358)
contains.

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Color

**XYZ(30.9557, 56.8239,
23.8046)**

Conversions

Conversions Part 1

Format	Color
Hex	1BE46D
RGB	27, 228, 109
RGB Percent	11%, 89%, 43%
CMY	0.8941, 0.1059, 0.5725
CMYK	0.88, 0.00, 0.52, 0.11
HSL	144°, 79%, 50%
HSV	144°, 88%, 89%
XYZ	30.9557, 56.8239, 23.8046
YIQ	154.3350, -81.5970, -79.6210

Conversions

Conversions Part 2

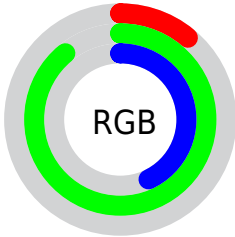
Format	Color
RYB	27, 170, 228
Decimal	1827949
CIELab	80.08, -70.13, 45.17
CIELCh	80, 83.419, 147.214
Yxy	56.8239, 0.2774, 0.5092
Android (android.graphics.Color)	4280018029 (0xFF1BE46D)
YUV	154.3350, -22.3502, -111.6728
Hunter-Lab	75.3816, -58.6163, 34.0441

Details

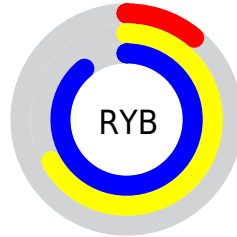
The XYZ color **30.9557, 56.8239, 23.8046** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **37.5770, 19.3542, 28.9518**, and the grayscale version is **30.9850, 32.5986, 35.4999**.

A 20% lighter version of the original color is **49.3103, 77.7418, 47.0571**, and **15.3014, 29.4212, 8.7433** is the 20% darker color. If you saturate the color by 10%, you get **29.8857, 56.3515, 20.2489**, and if you desaturate by 10%, it is **32.5944, 57.5797, 27.9720**.

Distribution



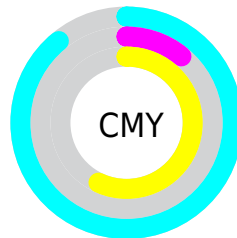
- Red (11%)
- Green (89%)
- Blue (43%)



- Red (11%)
- Yellow (67%)
- Blue (89%)



- Cyan (88%)
- Magenta (0%)
- Yellow (52%)
- Black (11%)



- Cyan (89%)
- Magenta (11%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9557, 56.8239, 23.8046 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 30.9557, 56.8239, 23.8046 by changing the saturation by 10% instead.


 30.9557, 56.8239,
23.8046


 30.9557, 56.8239,
23.8046


298.1647,
412.7891, 285.0858

 20.7168, 40.8639,
14.9779


 60.5466, 100.2082,
50.6510


 13.0284, 28.2127,
8.6574


 80.6294, 128.4012,
69.5077


 7.5252, 18.4861,
4.4247


 104.7241,
161.4408, 92.5449

 3.8419, 11.2995,
1.8611

 133.1961,
199.7111, 120.1810

 1.6131, 6.2687,
0.4678

 166.4108,
243.5968, 152.8346

 0.4009, 3.0091,
0.0000

204.7336,

 0.0000, 1.1365,

293.4820, 190.9242

0.0000

248.5298,
349.7514, 234.8684

■ 0.0000, 0.0089,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.9557, 56.8239,
23.8046

■ 30.9557, 56.8239,
23.8046

■ 29.8857, 56.3515,
20.2489


■ 32.5944, 57.5797,
27.9720


■ 29.7209, 56.2795,
19.6559


■ 34.9064, 58.6677,
32.7772


■ 37.9710, 60.1296,
38.2484


■ 41.8546, 61.9993,
44.4110

 46.6161, 64.3066,
51.2886

 52.3086, 67.0786,
58.9039

 58.9810, 70.3399,
67.2785

 66.6784, 74.1134,
76.4330

 75.4434, 78.4207,
86.3872

Harmonies

Analogous

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



40.4168, 56.8239, 10.4165



30.9557, 56.8239, 23.8046



27.5297, 56.8239, 57.4386

Triad

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



30.9557, 56.8239, 23.8046



52.4385, 56.8239, 210.0602



88.5431, 56.8239, 28.2147

Complementary

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



30.9557, 56.8239, 23.8046



37.5770, 19.3542, 28.9518

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.



93.6059, 56.8239, 66.5270



30.9557, 56.8239, 23.8046



70.3517, 56.8239, 187.7757

Square

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



30.9557, 56.8239, 23.8046



38.1940, 56.8239, 178.4121



86.3557, 56.8239, 127.5418



73.6801, 56.8239, 11.8640

Rectangle

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



30.9557, 56.8239, 23.8046



28.4480, 56.8239, 93.8599



86.3557, 56.8239, 127.5418



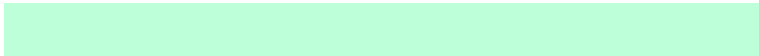
91.5672, 56.8239, 38.1277

Sweetspot

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



30.9571, 56.8262, 23.8059



69.0339, 87.2453, 77.9961



40.0837, 61.8272, 10.8585



14.1800, 18.3832, 15.9241



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.



30.9571, 56.8262, 23.8059



38.2601, 72.5200, 25.0854



39.5700, 60.2714, 69.1606



14.4318, 16.1862, 16.5388



17.2167, 32.5188, 11.6413



1.3174, 2.4211, 1.0979

Inverse Universe

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



37.5770, 19.3542, 28.9518



46.8236, 23.4935, 31.3331



32.9034, 17.4848, 4.3412



14.7333, 14.5105, 16.7958



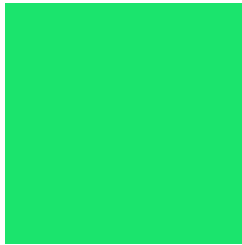
21.0600, 10.5582, 14.4767



1.6021, 0.7985, 1.3110

Previews

White Background



This preview shows how the XYZ color 30.9557, 56.8239, 23.8046 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 30.9557, 56.8239, 23.8046 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

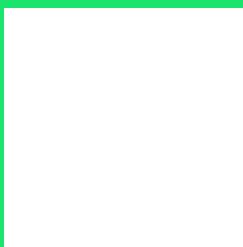
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9557, 56.8239, 23.8046

Background



This preview shows how black text looks on a background with the XYZ color 30.9557, 56.8239, 23.8046.

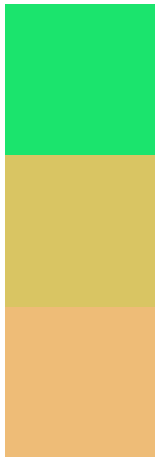


This preview shows how white text looks on a background with the XYZ color 30.9557, 56.8239,

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

30.9557, 56.8239, 23.8046

Protanopia

50.8337, 55.5851, 19.8542

Deuteranopia

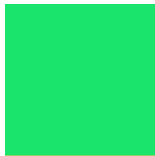
56.5729, 55.4755, 25.1789



Tritanopia

43.1803, 56.6512, 85.0029

Trichromacy



Original Color

30.9557, 56.8239, 23.8046



Protanomaly

37.2168, 52.3869, 20.9821



Deuteranomaly

39.1484, 51.5267, 24.1020



Tritanomaly

36.9467, 56.0032, 55.8761

Monochromacy



Original Color

30.9557, 56.8239, 23.8046



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

27.2957, 38.0709, 29.9545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9557, 56.8239, 23.8046 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(27, 228, 109)` looks like.

```
.text, #text, p{  
    color:rgb(27, 228, 109)  
}
```

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(27, 228, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 228, 109) }
```

Border

The CSS property to change the border of an element to XYZ 30.9557, 56.8239, 23.8046 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(27, 228, 109) }
```


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

```
.border{ border-color:rgb(27, 228, 109) }
```

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

Here you see how a box with a 4 pixel rgb(27, 228, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 228, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 228, 109);  
box-shadow:4px 4px 4px 4px rgb(27, 228,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9557, 56.8239, 23.8046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 228, 109) }
```

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

```
.background{ background-color: rgb(27, 228,  
109) }
```

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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