

Converting Colors

XYZ(26.8136, 46.6639, 20.8838)

Have a look what the booklet for
XYZ(26.8136, 46.6639, 20.8838)
contains.

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Color

**XYZ(26.8492, 46.6697,
20.9577)**

Conversions

Conversions Part 1

Format	Color
Hex	3ECF69
RGB	62, 207, 105
RGB Percent	24%, 81%, 41%
CMY	0.7569, 0.1882, 0.5882
CMYK	0.70, 0.00, 0.49, 0.19
HSL	138°, 60%, 53%
HSV	138°, 70%, 81%
XYZ	26.8492, 46.6697, 20.9577
YIQ	152.0170, -53.6780, -62.4620

Conversions

Conversions Part 2

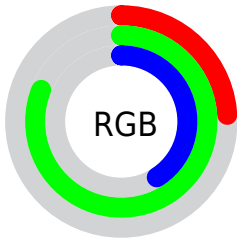
Format	Color
RYB	62, 174, 207
Decimal	4116329
CIELab	73.98, -59.77, 39.66
CIELCh	74, 71.727, 146.433
Yxy	46.6697, 0.2842, 0.4940
Android (android.graphics.Color)	4282306409 (0xFF3ECF69)
YUV	152.0170, -23.1794, -78.9449
Hunter-Lab	68.3152, -49.3977, 29.6317

Details

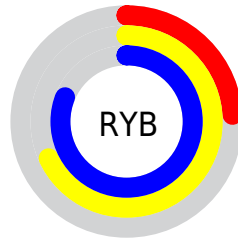
The XYZ color **26.8492, 46.6697, 20.9577** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **34.1569, 19.3917, 37.0655**, and the grayscale version is **29.9668, 31.5274, 34.3334**.

A 20% lighter version of the original color is **50.6840, 78.5006, 44.8286**, and **11.7562, 22.4091, 7.3202** is the 20% darker color. If you saturate the color by 10%, you get **25.1045, 45.8508, 17.2986**, and if you desaturate by 10%, it is **29.2185, 47.7984, 25.3171**.

Distribution



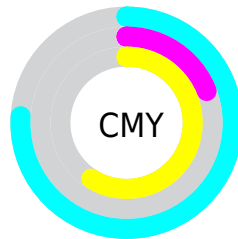
- Red (24%)
- Green (81%)
- Blue (41%)



- Red (24%)
- Yellow (68%)
- Blue (81%)



- Cyan (70%)
- Magenta (0%)
- Yellow (49%)
- Black (19%)





- Cyan (76%)
- Magenta (19%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 26.8492, 46.6697, 20.9577 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 26.8492, 46.6697, 20.9577 by changing the saturation by 10% instead.


 26.8492, 46.6697,
20.9577


 26.8492, 46.6697,
20.9577


279.1071,
373.4946, 269.8273


 17.5960, 32.7746,
12.9021


 54.0634, 85.2204,
45.8970


 10.7583, 21.9538,
7.2313


 72.7551, 110.6448,
63.6178


 5.9706, 13.8230,
3.5265


 95.3237, 140.6810,
85.3975

 2.8677, 7.9977,
1.3694

 122.1345,
175.7136, 111.6545

 1.0842, 4.0934,
0.1176

 153.5529,
216.1268, 142.8075

 0.0118, 1.7260,
0.0000

189.9442,

 0.0000, 0.4404,

262.3051, 179.2749

0.0000

231.6738,
314.6329, 221.4753

■ 0.0000, 0.0000,
0.0000

■ 26.8492, 46.6697,
20.9577

■ 26.8492, 46.6697,
20.9577

■ 25.1045, 45.8508,
17.2986

■ 29.2185, 47.7984,
25.3171

■ 23.9149, 45.3027,
14.2995


■ 32.2653, 49.2596,
30.4078


■ 23.1666, 44.9686,
11.9288


■ 36.0406, 51.0801,
36.2630


■ 40.5892, 53.2826,
42.9127

■ 45.9525, 55.8876,
50.3852

 52.1686, 58.9143,
58.7075

 59.2733, 62.3807,
67.9054

 67.3004, 66.3036,
78.0036

 76.2817, 70.6990,
89.0256

Harmonies

Analogous

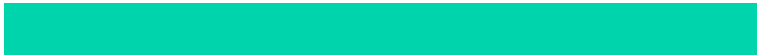
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.2798, 46.6697, 10.2248



26.8492, 46.6697, 20.9577



24.0499, 46.6697, 46.5549

Triad

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



26.8492, 46.6697, 20.9577



42.8445, 46.6697, 158.6177



70.2472, 46.6697, 25.4542

Complementary

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



26.8492, 46.6697, 20.9577



34.1569, 19.3917, 37.0655

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.



73.7342, 46.6697, 55.3281



26.8492, 46.6697, 20.9577



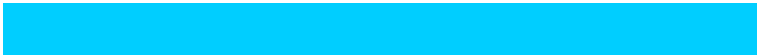
56.2403, 46.6697, 143.6671

Square

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



26.8492, 46.6697, 20.9577



32.0945, 46.6697, 135.0760



68.1872, 46.6697, 100.5983



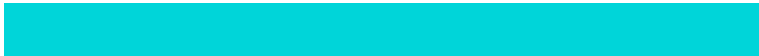
59.4047, 46.6697, 11.8058

Rectangle

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



26.8492, 46.6697, 20.9577



24.6923, 46.6697, 73.4762



68.1872, 46.6697, 100.5983



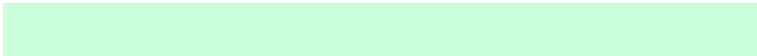
72.3986, 46.6697, 33.3704

Sweetspot

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



26.8504, 46.6716, 20.9588



72.5360, 89.0270, 79.2323



38.8923, 53.0736, 12.7520



14.9924, 18.7962, 16.2234



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.



26.8504, 46.6716, 20.9588



39.1816, 72.9934, 25.2069



32.0960, 48.7699, 48.5820



11.7985, 13.2631, 13.2953



14.6319, 28.3457, 7.7076



0.8530, 1.5989, 0.6147

Inverse Universe

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



34.1569, 19.3917, 37.0655



51.4826, 26.6147, 51.9896



29.4502, 17.5091, 12.2807



12.1552, 11.9468, 14.0930



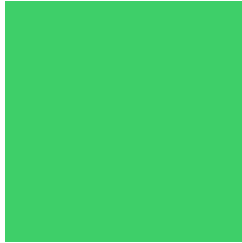
19.5056, 9.6751, 18.1004



1.1246, 0.5545, 1.1908

Previews

White Background



This preview shows how the XYZ color 26.8492, 46.6697, 20.9577 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 26.8492, 46.6697, 20.9577 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 26.8492, 46.6697, 20.9577

Background



This preview shows how black text looks on a background with the XYZ color 26.8492, 46.6697, 20.9577.

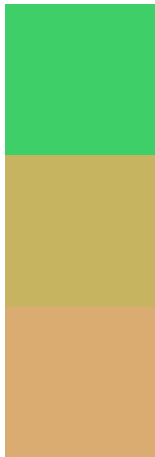


This preview shows how white text looks on a background with the XYZ color 26.8492, 46.6697,

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

26.8492, 46.6697, 20.9577

Protanopia

41.9858, 45.6292, 17.6608

Deuteranopia

46.7032, 45.6254, 22.2646



Tritanopia

36.2027, 46.2747, 68.6519

Trichromacy



Original Color

26.8492, 46.6697, 20.9577



Protanomaly

33.0600, 44.1173, 18.5774



Deuteranomaly

34.9161, 43.4227, 21.5801



Tritanomaly

31.5260, 45.7102, 46.1911

Monochromacy



Original Color

26.8492, 46.6697, 20.9577



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

26.7334, 35.1763, 28.3024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.8492, 46.6697, 20.9577 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(62, 207, 105)` looks like.

```
.text, #text, p{  
    color:rgb(62, 207, 105)  
}
```

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(62, 207, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 207, 105) }
```

Border

The CSS property to change the border of an element to XYZ 26.8492, 46.6697, 20.9577 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(62, 207, 105) }
```


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

```
.border{ border-color:rgb(62, 207, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 207, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 207, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 207, 105);  
box-shadow:4px 4px 4px 4px rgb(62, 207,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 26.8492, 46.6697, 20.9577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 207, 105) }
```

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

```
.background{ background-color: rgb(62, 207,  
105) }
```

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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