

Converting Colors

XYZ(27.0639, 43.0266, 22.5882)

Have a look what the booklet for
XYZ(27.0639, 43.0266, 22.5882)
contains.

XYZ(26.9370, 42.8458, 22.4731)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(26.9370, 42.8458,
22.4731)**

Conversions

Conversions Part 1

Format	Color
Hex	5AC471
RGB	90, 196, 113
RGB Percent	35%, 77%, 44%
CMY	0.6471, 0.2314, 0.5569
CMYK	0.54, 0.00, 0.42, 0.23
HSL	133°, 47%, 56%
HSV	133°, 54%, 77%
XYZ	26.9370, 42.8458, 22.4731
YIQ	154.8440, -36.5330, -48.2850

Conversions

Conversions Part 2

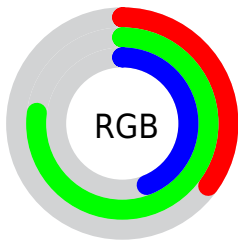
Format	Color
RYB	90, 177, 196
Decimal	5948529
CIELab	71.45, -48.51, 32.58
CIElCh	71, 58.438, 146.114
Yxy	42.8458, 0.2920, 0.4644
Android (android.graphics.Color)	4284138609 (0xFF5AC471)
YUV	154.8440, -20.6291, -56.8682
Hunter-Lab	65.4567, -41.0922, 25.4638

Details

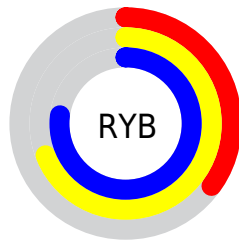
The XYZ color **26.9370, 42.8458, 22.4731** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **33.9652, 22.0660, 42.0054**, and the grayscale version is **31.1875, 32.8117, 35.7319**.

A 20% lighter version of the original color is **54.0408, 79.2068, 48.5166**, and **10.7530, 19.5792, 7.9151** is the 20% darker color. If you saturate the color by 10%, you get **24.4839, 41.6739, 18.2235**, and if you desaturate by 10%, it is **30.0410, 44.3388, 27.5178**.

Distribution



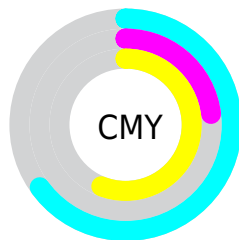
- Red (35%)
- Green (77%)
- Blue (44%)



- Red (35%)
- Yellow (69%)
- Blue (77%)



- Cyan (54%)
- Magenta (0%)
- Yellow (42%)
- Black (23%)



- Cyan (65%)
- Magenta (23%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.9370, 42.8458, 22.4731 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 26.9370, 42.8458, 22.4731 by changing the saturation by 10% instead.

■ 26.9370, 42.8458,
22.4731

■ 26.9370, 42.8458,
22.4731

279.5251,
357.9772, 278.0407

■ 17.6623, 29.7641,
14.0033

■ 54.2034, 79.4781,
48.4389

■ 10.8060, 19.6596,
7.9842

■ 72.9257, 103.7976,
66.7719

■ 6.0029, 12.1479,
3.9972

■ 95.5279, 132.6317,
89.2298

■ 2.8875, 6.8445,
1.6238

■ 122.3754,
166.3650, 116.2311

■ 1.0945, 3.3650,
0.3077

153.8335,
205.3818, 148.1943

■ 0.0206, 1.3251,
0.0000

190.2676,

■ 0.0000, 0.1605,

250.0665, 185.5379

0.0000

232.0430,
300.8035, 228.6805

■ 0.0000, 0.0000,
0.0000

■ 26.9370, 42.8458,
22.4731

■ 26.9370, 42.8458,
22.4731

■ 24.4839, 41.6739,
18.2235

■ 30.0410, 44.3388,
27.5178

■ 22.6307, 40.7941,
14.7254

■ 33.8356, 46.1689,
33.3924

■ 21.3238, 40.1808,
11.9357

■ 38.3610, 48.3573,
40.1331

■ 20.4980, 39.8013,
9.8054

■ 43.6533, 50.9219,
47.7730

■ 20.1683, 39.6526,
8.8313

■ 49.7463, 53.8796,
56.3436

■ 56.6716, 57.2460,
65.8749

■ 64.4594, 61.0359,
76.3954

■ 73.1380, 65.2635,
87.9324

■ 78.4136, 67.7147,
100.3102

Harmonies

Analogous

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



32.9427, 42.8458, 12.9294



26.9370, 42.8458, 22.4731



24.5989, 42.8458, 43.0714

Triad

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



26.9370, 42.8458, 22.4731



39.4535, 42.8458, 124.3962



60.2080, 42.8458, 26.6172

Complementary

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



26.9370, 42.8458, 22.4731



33.9652, 22.0660, 42.0054

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.



62.6942, 42.8458, 50.4253



26.9370, 42.8458, 22.4731



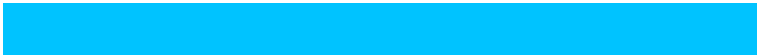
49.6424, 42.8458, 114.2758

Square

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



26.9370, 42.8458, 22.4731



31.0500, 42.8458, 107.7252



58.5575, 42.8458, 83.9012



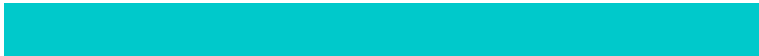
52.2228, 42.8458, 14.5558

Rectangle

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



26.9370, 42.8458, 22.4731



25.1030, 42.8458, 63.3850



58.5575, 42.8458, 83.9012



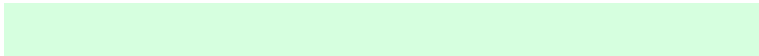
61.7647, 42.8458, 33.1577

Sweetspot

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



26.9381, 42.8476, 22.4741



76.8764, 91.1768, 83.3966



38.8279, 49.1082, 17.1054



16.0144, 19.3021, 17.2178



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.



26.9381, 42.8476, 22.4741



43.6193, 75.1424, 31.6793



30.8375, 44.4073, 43.0080



10.0319, 11.2938, 11.1714



12.9851, 25.4881, 5.8145



0.5874, 1.1118, 0.3902

Inverse Universe

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



33.9652, 22.0660, 42.0054



57.6239, 33.5627, 70.4827



29.8145, 20.4057, 20.1478



10.4007, 10.2089, 12.2006



18.3799, 9.0417, 20.4445



0.8180, 0.4002, 1.0089

Previews

White Background



This preview shows how the XYZ color 26.9370, 42.8458, 22.4731 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 26.9370, 42.8458, 22.4731 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 26.9370, 42.8458, 22.4731

Background



This preview shows how black text looks on a background with the XYZ color 26.9370, 42.8458, 22.4731.



This preview shows how white text looks on a background with the XYZ color 26.9370, 42.8458,

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

26.9370, 42.8458, 22.4731

Protanopia

38.9211, 42.2392, 19.4662

Deuteranopia

42.7585, 41.8939, 23.6020



Tritanopia

34.7836, 42.7796, 61.6823

Trichromacy



Original Color

26.9370, 42.8458, 22.4731



Protanomaly

32.7611, 41.4086, 20.4533



Deuteranomaly

34.2429, 40.6211, 22.8655



Tritanomaly

31.2838, 42.6345, 44.1166

Monochromacy



Original Color

26.9370, 42.8458, 22.4731



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

28.4684, 35.4682, 30.1565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.9370, 42.8458, 22.4731 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(90, 196, 113)` looks like.

```
.text, #text, p{  
    color:rgb(90, 196, 113)  
}
```

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(90, 196, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 196, 113) }
```

Border

The CSS property to change the border of an element to XYZ 26.9370, 42.8458, 22.4731 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(90, 196, 113) }
```


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

```
.border{ border-color:rgb(90, 196, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 196, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 196, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 196, 113);  
box-shadow:4px 4px 4px 4px rgb(90, 196,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 26.9370, 42.8458, 22.4731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 196, 113) }
```

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

```
.background{ background-color: rgb(90, 196,  
113) }
```

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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