

Converting Colors

XYZ(25.8609, 41.8590, 21.7135)

Have a look what the booklet for
XYZ(25.8609, 41.8590, 21.7135)
contains.

| | |
|--|----|
| XYZ(25.9516, 42.0169, 21.7812) | 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(25.9516, 42.0169,
21.7812)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 53C36F |
| RGB | 83, 195, 111 |
| RGB Percent | 33%, 76%, 44% |
| CMY | 0.6745, 0.2353, 0.5647 |
| CMYK | 0.57, 0.00, 0.43, 0.24 |
| HSL | 135°, 48%, 55% |
| HSV | 135°, 57%, 76% |
| XYZ | 25.9516, 42.0169, 21.7812 |
| YIQ | 151.9360, -39.7880, -49.8680 |

Conversions

Conversions Part 2

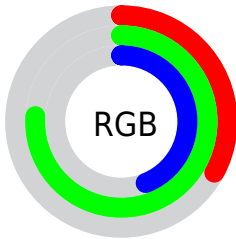
| Format | Color |
|-------------------------------------|--|
| RYB | 83, 173, 195 |
| Decimal | 5489519 |
| CIELab | 70.88, -50.12, 32.83 |
| CIELCh | 71, 59.915, 146.775 |
| Yxy | 42.0169, 0.2892, 0.4682 |
| Android (android.graphics.Color) | 4283679599 (0xFF53C36F) |
| YUV | 151.9360, -20.1814, -60.4569 |
| Hunter-Lab | 64.8204, -41.9713, 25.4515 |

Details

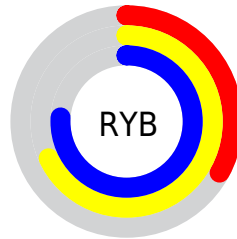
The XYZ color **25.9516, 42.0169, 21.7812** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted spring green. A complement of this color would be **32.5752, 20.5794, 38.8157**, and the grayscale version is **29.9149, 31.4728, 34.2738**.

A 20% lighter version of the original color is **52.4957, 77.9639, 47.4037**, and **10.2329, 19.0995, 7.5621** is the 20% darker color. If you saturate the color by 10%, you get **23.7267, 40.9567, 17.8125**, and if you desaturate by 10%, it is **28.7943, 43.3828, 26.4690**.

Distribution



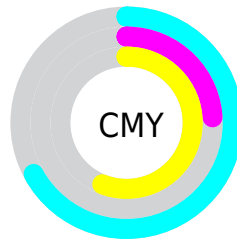
- Red (33%)
- Green (76%)
- Blue (44%)



- Red (33%)
- Yellow (68%)
- Blue (76%)



- Cyan (57%)
- Magenta (0%)
- Yellow (43%)
- Black (24%)



- Cyan (67%)
- Magenta (24%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.9516, 42.0169, 21.7812 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 25.9516, 42.0169, 21.7812 by changing the saturation by 10% instead.

■ 25.9516, 42.0169,
21.7812

■ 25.9516, 42.0169,
21.7812

274.8055,
354.5530, 274.3176

■ 16.9199, 29.1145,
13.4994

■ 52.6287, 78.2252,
47.2816

■ 10.2724, 19.1675,
7.6386

■ 71.0049, 102.2999,
65.3374

■ 5.6436, 11.7914,
3.7801

■ 93.2265, 130.8675,
87.4883

■ 2.6682, 6.6018,
1.5055

■ 119.6591,
164.3125, 114.1527

■ 0.9808, 3.2143,
0.2220

150.6679,
203.0191, 145.7494

■ 0.0000, 1.2446,
0.0000

186.6184,

■ 0.0000, 0.0977,

247.3718, 182.6967

0.0000

227.8758,
297.7549, 225.4133

■ 0.0000, 0.0000,
0.0000

■ 25.9516, 42.0169,
21.7812

■ 25.9516, 42.0169,
21.7812

■ 23.7267, 40.9567,
17.8125

■ 28.7943, 43.3828,
26.4690

■ 22.0682, 40.1727,
14.5242

■ 32.2945, 45.0705,
31.9061

■ 20.9215, 39.6390,
11.8786

■ 36.4921, 47.1011,
38.1247

■ 20.2097, 39.3166,
9.8321

■ 41.4231, 49.4927,
45.1540

■ 20.0651, 39.2515,
9.3971

■ 47.1208, 52.2617,
53.0218

■ 53.6164, 55.4237,
61.7547

■ 60.9394, 58.9935,
71.3780

■ 69.1179, 62.9849,
81.9158

■ 76.8776, 66.7405,
93.3307

Harmonies

Analogous

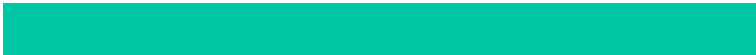
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.9082, 42.0169, 12.1575



25.9516, 42.0169, 21.7812



23.6925, 42.0169, 42.7304

Triad

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



25.9516, 42.0169, 21.7812



38.8673, 42.0169, 125.3580



59.6091, 42.0169, 25.2076

Complementary

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



25.9516, 42.0169, 21.7812



32.5752, 20.5794, 38.8157

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.



62.2930, 42.0169, 48.9071



25.9516, 42.0169, 21.7812



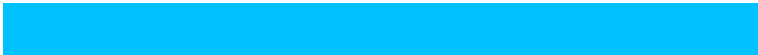
49.2081, 42.0169, 114.3421

Square

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



25.9516, 42.0169, 21.7812



30.3271, 42.0169, 108.7491



58.2119, 42.0169, 82.9008



51.3858, 42.0169, 13.4790

Rectangle

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



25.9516, 42.0169, 21.7812



24.2513, 42.0169, 63.4926



58.2119, 42.0169, 82.9008



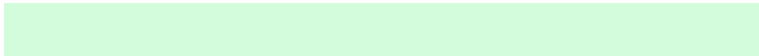
61.2426, 42.0169, 31.6640

Sweetspot

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



25.9527, 42.0186, 21.7822



74.3507, 88.7183, 81.0985



37.0143, 47.8722, 15.4732



15.8604, 19.2237, 17.1669



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.



25.9527, 42.0186, 21.7822



41.6161, 72.9349, 30.2345



30.0586, 43.6610, 43.4038



10.0454, 11.2992, 11.2426



13.0696, 25.5219, 6.2595



0.5934, 1.1142, 0.4218

Inverse Universe

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



32.5752, 20.5794, 38.8157



54.5473, 30.8639, 63.3400



28.4693, 18.9370, 17.1941



10.3862, 10.2031, 12.1243



18.0473, 8.9087, 18.6929



0.8060, 0.3954, 0.9458

Previews

White Background



This preview shows how the XYZ color 25.9516, 42.0169, 21.7812 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 25.9516, 42.0169, 21.7812 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 25.9516, 42.0169, 21.7812

Background



This preview shows how black text looks on a background with the XYZ color 25.9516, 42.0169, 21.7812.



This preview shows how white text looks on a background with the XYZ color 25.9516, 42.0169,

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

25.9516, 42.0169, 21.7812

Protanopia

37.8898, 41.1557, 18.5172

Deuteranopia

42.1787, 41.3401, 22.8959



Tritanopia

33.8377, 41.9939, 60.9658

Trichromacy



Original Color

25.9516, 42.0169, 21.7812



Protanomaly

31.4487, 40.1465, 19.4561



Deuteranomaly

33.3178, 39.8655, 22.1584



Tritanomaly

30.3025, 41.8190, 43.5206

Monochromacy



Original Color

25.9516, 42.0169, 21.7812



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

27.2704, 34.3234, 28.8547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.9516, 42.0169, 21.7812 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(83, 195, 111)` looks like.

```
.text, #text, p{  
    color:rgb(83, 195, 111)  
}
```

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(83, 195, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 195, 111) }
```

Border

The CSS property to change the border of an element to XYZ 25.9516, 42.0169, 21.7812 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(83, 195, 111) }
```


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

```
.border{ border-color:rgb(83, 195, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 195, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 195, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 195, 111);  
box-shadow:4px 4px 4px 4px rgb(83, 195,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 25.9516, 42.0169, 21.7812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 195, 111) }
```

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

```
.background{ background-color: rgb(83, 195,  
111) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor