

Converting Colors

XYZ(24.4286, 42.3288, 14.2254)

Have a look what the booklet for
XYZ(24.4286, 42.3288, 14.2254)
contains.

XYZ(24.5070, 42.4485, 14.2989)	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(24.5070, 42.4485,
14.2989)**

Conversions

Conversions Part 1

Format	Color
Hex	4BC64F
RGB	75, 198, 79
RGB Percent	29%, 78%, 31%
CMY	0.7059, 0.2235, 0.6902
CMYK	0.62, 0.00, 0.60, 0.22
HSL	122°, 52%, 54%
HSV	122°, 62%, 78%
XYZ	24.5070, 42.4485, 14.2989
YIQ	147.6570, -35.1090, -63.0850

Conversions

Conversions Part 2

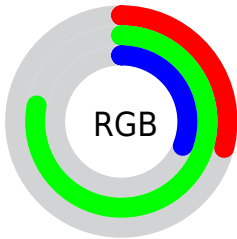
Format	Color
RYB	75, 194, 198
Decimal	4965967
CIELab	71.18, -57.53, 48.65
CIELCh	71, 75.345, 139.782
Yxy	42.4485, 0.3016, 0.5224
Android (android.graphics.Color)	4283156047 (0xFF4BC64F)
YUV	147.6570, -33.8479, -63.7202
Hunter-Lab	65.1525, -46.8744, 32.5945

Details

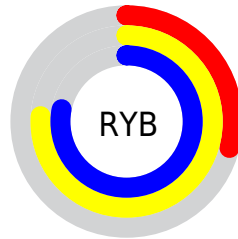
The XYZ color **24.5070, 42.4485, 14.2989** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **35.5434, 20.9336, 53.2065**, and the grayscale version is **28.1532, 29.6194, 32.2555**.

A 20% lighter version of the original color is **50.0782, 78.4202, 34.3270**, and **9.9873, 19.7109, 4.1423** is the 20% darker color. If you saturate the color by 10%, you get **22.5930, 41.5324, 11.0797**, and if you desaturate by 10%, it is **27.1057, 43.6969, 18.6006**.

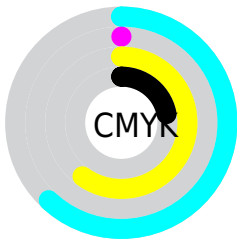
Distribution



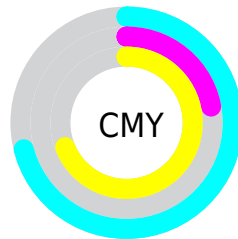
- Red (29%)
- Green (78%)
- Blue (31%)



- Red (29%)
- Yellow (76%)
- Blue (78%)



- Cyan (62%)
- Magenta (0%)
- Yellow (60%)
- Black (22%)





- Cyan (71%)
- Magenta (22%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.5070, 42.4485, 14.2989 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 24.5070, 42.4485, 14.2989 by changing the saturation by 10% instead.


 24.5070, 42.4485,
14.2989


 24.5070, 42.4485,
14.2989


267.7669,
356.3388, 230.5752


 15.8369, 29.4526,
8.1877


 50.3050, 78.8780,
34.3432


 9.4989, 19.4235,
4.1258


 68.1636, 103.0804,
49.1134


 5.1277, 11.9767,
1.6946


 89.8157, 131.7870,
67.6070

 2.3579, 6.7278,
0.3570

 115.6267,
165.3824, 90.2425

 0.8241, 3.2925,
0.0000

 145.9620,
204.2509, 117.4386

 0.0000, 1.2863,
0.0000

181.1869,

 0.0000, 0.1305,

248.7769, 149.6137

0.0000

221.6668,
299.3447, 187.1864

■ 0.0000, 0.0000,
0.0000

■ 24.5070, 42.4485,
14.2989

■ 24.5070, 42.4485,
14.2989

■ 22.5930, 41.5324,
11.0797

■ 27.1057, 43.6969,
18.6006

■ 21.2966, 40.9121,
8.8441

■ 30.4423, 45.2995,
24.0663

■ 20.5422, 40.5526,
7.4806

■ 34.5681, 47.2822,
30.7731

■ 20.2302, 40.4039,
6.9175

■ 39.5291, 49.6674,
38.7907

■ 45.3676, 52.4754,
48.1837

■ 52.1233, 55.7254,
59.0122

■ 59.8331, 59.4353,
71.3329

■ 68.5323, 63.6219,
85.1995

■ 78.2541, 68.3015,
100.6629

Harmonies

Analogous

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



32.6773, 42.4485, 6.8155



24.5070, 42.4485, 14.2989



20.8650, 42.4485, 34.9532

Triad

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



24.5070, 42.4485, 14.2989



36.1921, 42.4485, 153.9135



67.7625, 42.4485, 26.4613

Complementary

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



24.5070, 42.4485, 14.2989



35.5434, 20.9336, 53.2065

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.



69.2529, 42.4485, 59.6781



24.5070, 42.4485, 14.2989



49.1295, 42.4485, 147.3219

Square

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



24.5070, 42.4485, 14.2989



26.6168, 42.4485, 122.1980



61.8596, 42.4485, 107.1913



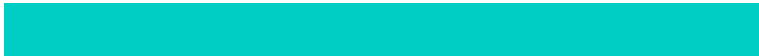
58.1328, 42.4485, 10.8688

Rectangle

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



24.5070, 42.4485, 14.2989



20.8443, 42.4485, 59.0618



61.8596, 42.4485, 107.1913



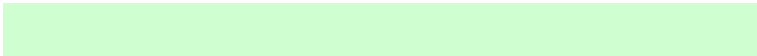
69.2989, 42.4485, 35.3878

Sweetspot

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



24.5080, 42.4503, 14.2999



72.7673, 89.2810, 73.1540



44.2178, 52.6274, 14.4843



14.9683, 18.8180, 14.6802



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.



24.5080, 42.4503, 14.2999



38.9628, 73.0435, 17.8353



27.7241, 43.7367, 31.2357



10.5112, 11.8934, 11.3763



13.1618, 26.2771, 4.5308



0.6282, 1.2462, 0.2408

Inverse Universe

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



35.5434, 20.9336, 53.2065



60.1233, 31.7242, 92.3939



30.1405, 18.7724, 24.7548



11.0676, 10.8104, 13.3394



21.3072, 10.2725, 33.1573



1.0137, 0.4883, 1.5952

Previews

White Background



This preview shows how the XYZ color 24.5070, 42.4485, 14.2989 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 24.5070, 42.4485, 14.2989 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 24.5070, 42.4485, 14.2989

Background



This preview shows how black text looks on a background with the XYZ color 24.5070, 42.4485, 14.2989.



This preview shows how white text looks on a background with the XYZ color 24.5070, 42.4485,

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

24.5070, 42.4485, 14.2989

Protanopia

37.8515, 41.5615, 12.1581

Deuteranopia

42.4097, 41.6286, 15.2511



Tritanopia

33.9272, 42.3381, 61.6423

Trichromacy



Original Color

24.5070, 42.4485, 14.2989



Protanomaly

30.3924, 40.3535, 12.8438



Deuteranomaly

32.2621, 39.7815, 14.5725



Tritanomaly

29.1154, 41.6409, 38.4012

Monochromacy



Original Color

24.5070, 42.4485, 14.2989



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

25.0965, 32.7674, 23.7409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5070, 42.4485, 14.2989 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(75, 198, 79)` looks like.

```
.text, #text, p{  
    color:rgb(75, 198, 79)  
}
```

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(75, 198, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 198, 79) }
```

Border

The CSS property to change the border of an element to XYZ 24.5070, 42.4485, 14.2989 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(75, 198, 79) }
```


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

```
.border{ border-color:rgb(75, 198, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 198, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 198, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 198, 79);  
box-shadow:4px 4px 4px 4px rgb(75, 198,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5070, 42.4485, 14.2989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 198, 79) }
```

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

```
.background{ background-color: rgb(75, 198,  
79) }
```

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