

Converting Colors

XYZ(24.7687, 42.8597, 14.7916)

Have a look what the booklet for
XYZ(24.7687, 42.8597, 14.7916)
contains.

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Color

**XYZ(24.8103, 42.9368,
14.7646)**

Conversions

Conversions Part 1

Format	Color
Hex	4BC751
RGB	75, 199, 81
RGB Percent	29%, 78%, 32%
CMY	0.7059, 0.2196, 0.6823
CMYK	0.62, 0.00, 0.59, 0.22
HSL	123°, 53%, 54%
HSV	123°, 62%, 78%
XYZ	24.8103, 42.9368, 14.7646
YIQ	148.4720, -36.0260, -62.9860

Conversions

Conversions Part 2

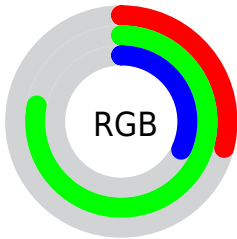
Format	Color
RYB	75, 193, 199
Decimal	4966225
CIELab	71.51, -57.66, 48.13
CIELCh	72, 75.109, 140.146
Yxy	42.9368, 0.3007, 0.5204
Android (android.graphics.Color)	4283156305 (0xFF4BC751)
YUV	148.4720, -33.2637, -64.4349
Hunter-Lab	65.5262, -47.0850, 32.5089

Details

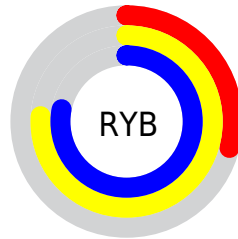
The XYZ color **24.8103, 42.9368, 14.7646** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **35.6961, 21.0252, 52.6296**, and the grayscale version is **28.4922, 29.9761, 32.6439**.

A 20% lighter version of the original color is **50.2164, 78.4755, 35.0549**, and **10.1711, 20.0256, 4.3662** is the 20% darker color. If you saturate the color by 10%, you get **22.8767, 42.0122, 11.4704**, and if you desaturate by 10%, it is **27.4307, 44.1951, 19.1263**.

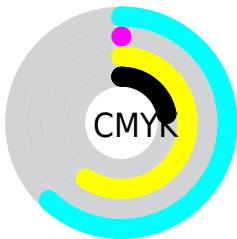
Distribution



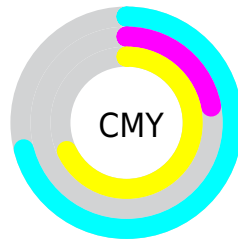
- Red (29%)
- Green (78%)
- Blue (32%)



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



- Cyan (62%)
- Magenta (0%)
- Yellow (59%)
- Black (22%)



- Cyan (71%)
- Magenta (22%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8103, 42.9368, 14.7646 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 24.8103, 42.9368, 14.7646 by changing the saturation by 10% instead.

■ 24.8103, 42.9368,
14.7646

■ 24.8103, 42.9368,
14.7646

269.2570,
358.3518, 233.5284

■ 16.0638, 29.8355,
8.5096

■ 50.7944, 79.6155,
35.1761

■ 9.6604, 19.7138,
4.3303

■ 68.7627, 103.9617,
50.1697

■ 5.2349, 12.1872,
1.8082

■ 90.5356, 132.8250,
68.9132

■ 2.4219, 6.8713,
0.4334

■ 116.4785,
166.5898, 91.8252

■ 0.8561, 3.3817,
0.0000

■ 146.9567,
205.6405, 119.3241

■ 0.0000, 1.3341,
0.0000

182.3357,

■ 0.0000, 0.1674,

250.3614, 151.8286

0.0000

222.9806,
301.1371, 189.7572

■ 0.0000, 0.0000,
0.0000

■ 24.8103, 42.9368,
14.7646

■ 24.8103, 42.9368,
14.7646

■ 22.8767, 42.0122,
11.4704

■ 27.4307, 44.1951,
19.1263

■ 21.5627, 41.3848,
9.1496

■ 30.7909, 45.8089,
24.6334

■ 20.7931, 41.0194,
7.6963

■ 34.9421, 47.8044,
31.3600

■ 20.4771, 40.8697,
7.0860

■ 39.9303, 50.2037,
39.3730

■ 45.7978, 53.0274,
48.7345

■ 52.5841, 56.2945,
59.5027

■ 60.3263, 60.0231,
71.7321

■ 69.0596, 64.2302,
85.4746

■ 78.8171, 68.9317,
100.7794

Harmonies

Analogous

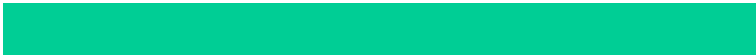
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.9765, 42.9368, 7.0653



24.8103, 42.9368, 14.7646



21.1953, 42.9368, 35.7917

Triad

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



24.8103, 42.9368, 14.7646



36.7787, 42.9368, 154.7917



68.2419, 42.9368, 26.5915

Complementary

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



24.8103, 42.9368, 14.7646



35.6961, 21.0252, 52.6296

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.



69.8490, 42.9368, 59.7458



24.8103, 42.9368, 14.7646



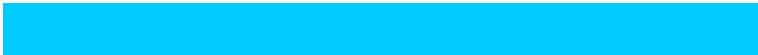
49.7955, 42.9368, 147.7013

Square

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



24.8103, 42.9368, 14.7646



27.0964, 42.9368, 123.4405



62.5315, 42.9368, 107.2825



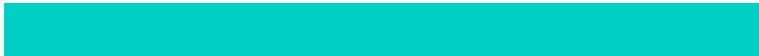
58.5107, 42.9368, 11.0264

Rectangle

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



24.8103, 42.9368, 14.7646



21.2093, 42.9368, 60.1602



62.5315, 42.9368, 107.2825



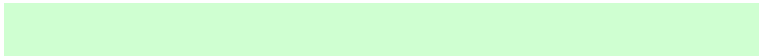
69.8181, 42.9368, 35.4987

Sweetspot

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



24.8113, 42.9386, 14.7656



72.8622, 89.3189, 73.6537



44.1665, 52.9414, 14.5477



14.9907, 18.8269, 14.7978



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.



24.8113, 42.9386, 14.7656



39.0610, 73.0828, 18.3524



28.1438, 44.2716, 32.3142



10.5179, 11.8961, 11.4116



13.1760, 26.2828, 4.6055



0.6313, 1.2475, 0.2571

Inverse Universe

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



35.6961, 21.0252, 52.6296



59.6543, 31.5367, 89.9244



30.2949, 18.8647, 24.1874



11.0601, 10.8074, 13.2996



21.0869, 10.1843, 31.9969



1.0055, 0.4850, 1.5519

Previews

White Background



This preview shows how the XYZ color 24.8103, 42.9368, 14.7646 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 24.8103, 42.9368, 14.7646 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 24.8103, 42.9368, 14.7646

Background



This preview shows how black text looks on a background with the XYZ color 24.8103, 42.9368, 14.7646.



This preview shows how white text looks on a background with the XYZ color 24.8103, 42.9368,

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

24.8103, 42.9368, 14.7646

Protanopia

38.3310, 42.0906, 12.4074

Deuteranopia

42.9651, 42.1739, 15.7734



Tritanopia

34.3749, 42.8691, 62.3399

Trichromacy



Original Color

24.8103, 42.9368, 14.7646



Protanomaly

30.8157, 40.8728, 13.1026



Deuteranomaly

32.7450, 40.3154, 15.0726



Tritanomaly

29.5217, 42.1631, 38.9301

Monochromacy



Original Color

24.8103, 42.9368, 14.7646



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

25.3420, 33.1576, 24.1332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8103, 42.9368, 14.7646 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, 199, 81)` looks like.

```
.text, #text, p{  
    color:rgb(75, 199, 81)  
}
```

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, 199, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 199, 81) }
```

Border

The CSS property to change the border of an element to XYZ 24.8103, 42.9368, 14.7646 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, 199, 81) }
```


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

```
.border{ border-color:rgb(75, 199, 81) }
```

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

Here you see how a box with a 4 pixel rgb(75, 199, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 199, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 199, 81);  
box-shadow:4px 4px 4px 4px rgb(75, 199,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8103, 42.9368, 14.7646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 199, 81) }
```

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

```
.background{ background-color: rgb(75, 199,  
81) }
```

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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