

Converting Colors

XYZ(24.7456, 42.3303, 14.2465)

Have a look what the booklet for
XYZ(24.7456, 42.3303, 14.2465)
contains.

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Color

**XYZ(24.6858, 42.2025,
14.2420)**

Conversions

Conversions Part 1

Format	Color
Hex	50C54F
RGB	80, 197, 79
RGB Percent	31%, 77%, 31%
CMY	0.6863, 0.2274, 0.6902
CMYK	0.59, 0.00, 0.60, 0.23
HSL	119°, 50%, 54%
HSV	119°, 60%, 77%
XYZ	24.6858, 42.2025, 14.2420
YIQ	148.5650, -31.8540, -61.5020

Conversions

Conversions Part 2

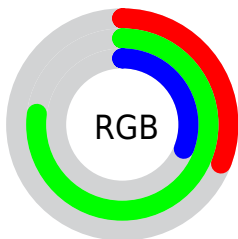
Format	Color
RYB	79, 197, 196
Decimal	5293391
CIELab	71.01, -56.03, 48.49
CIELCh	71, 74.104, 139.125
Yxy	42.2025, 0.3043, 0.5202
Android (android.graphics.Color)	4283483471 (0xFF50C54F)
YUV	148.5650, -34.2955, -60.1315
Hunter-Lab	64.9635, -45.8569, 32.4762

Details

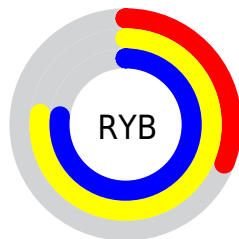
The XYZ color **24.6858, 42.2025, 14.2420** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **35.6415, 21.3606, 55.0701**, and the grayscale version is **28.5342, 30.0202, 32.6920**.

A 20% lighter version of the original color is **50.7401, 78.7614, 34.3580**, and **9.8379, 19.4119, 4.0925** is the 20% darker color. If you saturate the color by 10%, you get **22.6562, 41.2284, 10.9428**, and if you desaturate by 10%, it is **27.4093, 43.5123, 18.6844**.

Distribution



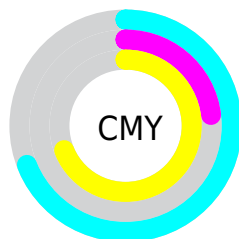
- Red (31%)
- Green (77%)
- Blue (31%)



- Red (31%)
- Yellow (77%)
- Blue (77%)



- Cyan (59%)
- Magenta (0%)
- Yellow (60%)
- Black (23%)



- Cyan (69%)
- Magenta (23%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6858, 42.2025, 14.2420 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 24.6858, 42.2025, 14.2420 by changing the saturation by 10% instead.

■ 24.6858, 42.2025,
14.2420

■ 24.6858, 42.2025,
14.2420

268.6462,
355.3217, 230.2117

■ 15.9706, 29.2599,
8.1485

■ 50.5936, 78.5060,
34.2411

■ 9.5941, 19.2775,
4.1010

■ 68.5169, 102.6357,
48.9838

■ 5.1908, 11.8710,
1.6809

■ 90.2404, 131.2632,
67.4466

■ 2.3956, 6.6559,
0.3476

■ 116.1292,
164.7729, 90.0481

■ 0.8429, 3.2478,
0.0000

■ 146.5489,
203.5492, 117.2068

■ 0.0000, 1.2625,
0.0000

181.8647,

■ 0.0000, 0.1118,

247.9765, 149.3413

0.0000

222.4420,
298.4392, 186.8701

■ 0.0000, 0.0000,
0.0000

■ 24.6858, 42.2025,
14.2420

■ 24.6858, 42.2025,
14.2420

■ 22.6562, 41.2284,
10.9428

■ 27.4093, 43.5123,
18.6844

■ 21.2551, 40.5547,
8.6798

■ 30.8783, 45.1786,
24.3587

■ 20.4103, 40.1482,
7.3309

■ 35.1433, 47.2270,
31.3480

■ 19.9916, 39.9467,
6.6626

■ 40.2493, 49.6791,
39.7276

■ 19.9879, 39.9449,
6.6567

■ 46.2379, 52.5547,
49.5667

■ 53.1482, 55.8728,
60.9304

■ 61.0168, 59.6507,
73.8796

■ 69.8783, 63.9052,
88.4717

■ 79.2571, 68.4142,
103.6357

Harmonies

Analogous

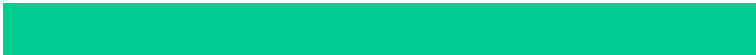
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.8155, 42.2025, 6.9696



24.6858, 42.2025, 14.2420



21.0000, 42.2025, 34.2643

Triad

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



24.6858, 42.2025, 14.2420



35.7915, 42.2025, 150.5089



67.0315, 42.2025, 27.0569

Complementary

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



24.6858, 42.2025, 14.2420



35.6415, 21.3606, 55.0701

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.



68.2860, 42.2025, 60.0329



24.6858, 42.2025, 14.2420



48.4175, 42.2025, 144.9855

Square

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



24.6858, 42.2025, 14.2420



26.4776, 42.2025, 119.0674



60.9108, 42.2025, 106.4707



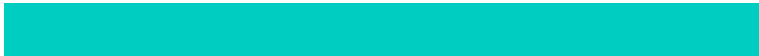
57.7707, 42.2025, 11.2991

Rectangle

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



24.6858, 42.2025, 14.2420



20.9182, 42.2025, 57.6189



60.9108, 42.2025, 106.4707



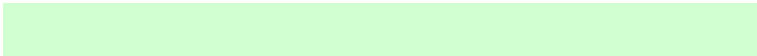
68.4659, 42.2025, 35.9759

Sweetspot

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



24.6868, 42.2043, 14.2429



73.7137, 89.7550, 73.8258



43.9618, 51.4822, 15.0179



15.1488, 18.9092, 14.7689



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.



24.6868, 42.2043, 14.2429



39.6541, 73.3946, 18.1054



27.6384, 43.3753, 30.2219



10.5056, 11.8921, 11.3045



13.1500, 26.2744, 4.3784



0.6256, 1.2456, 0.2075

Inverse Universe

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



35.6415, 21.3606, 55.0701



61.0005, 32.7446, 97.7130



30.5546, 19.3559, 26.9251



11.0739, 10.8119, 13.4207



21.4929, 10.3142, 35.6024



1.0206, 0.4899, 1.6859

Previews

White Background



This preview shows how the XYZ color 24.6858, 42.2025, 14.2420 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 24.6858, 42.2025, 14.2420 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 24.6858, 42.2025, 14.2420

Background



This preview shows how black text looks on a background with the XYZ color 24.6858, 42.2025, 14.2420.



This preview shows how white text looks on a background with the XYZ color 24.6858, 42.2025,

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

24.6858, 42.2025, 14.2420

Protanopia

37.8515, 41.5615, 12.1581

Deuteranopia

42.1883, 41.2525, 14.9715



Tritanopia

34.0810, 42.1193, 60.9772

Trichromacy



Original Color

24.6858, 42.2025, 14.2420



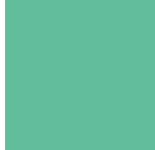
Protanomaly

30.7604, 40.5432, 12.8610



Deuteranomaly

32.4749, 39.5991, 14.5261



Tritanomaly

29.2353, 41.3922, 37.9011

Monochromacy



Original Color

24.6858, 42.2025, 14.2420



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

25.5865, 33.0128, 24.0923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6858, 42.2025, 14.2420 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(80, 197, 79)` looks like.

```
.text, #text, p{  
    color:rgb(80, 197, 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(80, 197, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 197, 79) }
```

Border

The CSS property to change the border of an element to XYZ 24.6858, 42.2025, 14.2420 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(80, 197, 79) }
```


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

```
.border{ border-color:rgb(80, 197, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 197, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 197, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 197, 79);  
box-shadow:4px 4px 4px 4px rgb(80, 197,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6858, 42.2025, 14.2420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 197, 79) }
```

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

```
.background{ background-color: rgb(80, 197,  
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](#).

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