

Converting Colors

XYZ(25.8295, 42.2309, 24.5341)

Have a look what the booklet for
XYZ(25.8295, 42.2309, 24.5341)
contains.

XYZ(25.8026, 42.2136, 24.5574)	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(25.8026, 42.2136,
24.5574)**

Conversions

Conversions Part 1

Format	Color
Hex	48C478
RGB	72, 196, 120
RGB Percent	28%, 77%, 47%
CMY	0.7176, 0.2314, 0.5294
CMYK	0.63, 0.00, 0.39, 0.23
HSL	143°, 51%, 53%
HSV	143°, 63%, 77%
XYZ	25.8026, 42.2136, 24.5574
YIQ	150.2600, -49.5080, -49.9240

Conversions

Conversions Part 2

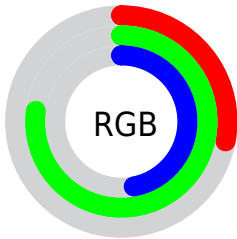
Format	Color
RYB	72, 161, 196
Decimal	4768888
CIELab	71.02, -51.33, 28.29
CIElCh	71, 58.606, 151.137
Yxy	42.2136, 0.2787, 0.4560
Android (android.graphics.Color)	4282958968 (0xFF48C478)
YUV	150.2600, -14.9182, -68.6340
Hunter-Lab	64.9720, -42.8125, 23.0706

Details

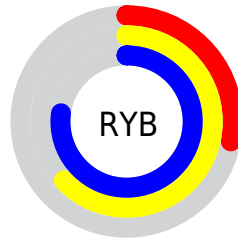
The XYZ color **25.8026, 42.2136, 24.5574** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted spring green. A complement of this color would be **30.4290, 18.5096, 29.9876**, and the grayscale version is **29.1773, 30.6968, 33.4288**.

A 20% lighter version of the original color is **52.5004, 78.8063, 51.9792**, and **10.6304, 19.4919, 8.9964** is the 20% darker color. If you saturate the color by 10%, you get **23.8839, 41.3046, 20.8980**, and if you desaturate by 10%, it is **28.2807, 43.4027, 28.7223**.

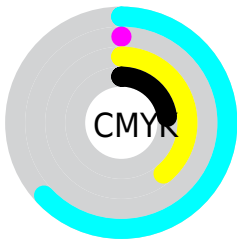
Distribution



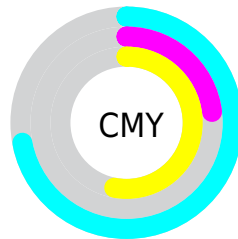
- Red (28%)
- Green (77%)
- Blue (47%)



- Red (28%)
- Yellow (63%)
- Blue (77%)



- Cyan (63%)
- Magenta (0%)
- Yellow (39%)
- Black (23%)





- Cyan (72%)
- Magenta (23%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.8026, 42.2136, 24.5574 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 25.8026, 42.2136, 24.5574 by changing the saturation by 10% instead.


 25.8026, 42.2136,
24.5574


 25.8026, 42.2136,
24.5574


274.0862,
355.3676, 289.0033


 16.8079, 29.2686,
15.5316


 52.3899, 78.5228,
51.8935


 10.1921, 19.2841,
9.0426


 70.7132, 102.6558,
71.0408


 5.5898, 11.8757,
4.6718


 92.8768, 131.2868,
94.3991

 2.6355, 6.6591,
2.0006

 119.2460,
164.8004, 122.3868

 0.9641, 3.2498,
0.5557

 150.1862,
203.5809, 155.4226

 0.0000, 1.2635,
0.0000

186.0628,

 0.0000, 0.1127,

248.0127, 193.9249

0.0000

227.2410,
298.4801, 238.3123

■ 0.0000, 0.0000,
0.0000

■ 25.8026, 42.2136,
24.5574

■ 25.8026, 42.2136,
24.5574

■ 23.8839, 41.3046,
20.8980

■ 28.2807, 43.4027,
28.7223

■ 22.4718, 40.6455,
17.7214

■ 31.3581, 44.8886,
33.4087

■ 21.5084, 40.2080,
15.0071

■ 35.0747, 46.6927,
38.6351

■ 21.0407, 40.0014,
13.4260

■ 39.4659, 48.8330,
44.4184

■ 44.5644, 51.3260,
50.7747

■ 50.4008, 54.1871,
57.7194

■ 57.0038, 57.4308,
65.2673

■ 64.4004, 61.0709,
73.4327

■ 72.6166, 65.1203,
82.2293

Harmonies

Analogous

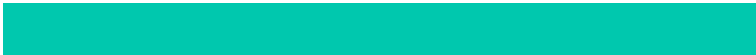
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.1621, 42.2136, 13.5567



25.8026, 42.2136, 24.5574



24.1034, 42.2136, 47.0409

Triad

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



25.8026, 42.2136, 24.5574



40.4972, 42.2136, 123.5866



58.4696, 42.2136, 23.3582

Complementary

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



25.8026, 42.2136, 24.5574



30.4290, 18.5096, 29.9876

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.



62.0171, 42.2136, 44.9025



25.8026, 42.2136, 24.5574



50.6549, 42.2136, 109.1994

Square

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



25.8026, 42.2136, 24.5574



31.7117, 42.2136, 111.1141



58.9508, 42.2136, 77.1748



49.9034, 42.2136, 13.0884

Rectangle

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



25.8026, 42.2136, 24.5574



25.0129, 42.2136, 68.2514



58.9508, 42.2136, 77.1748



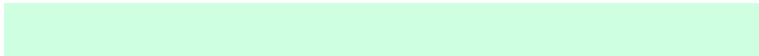
60.3457, 42.2136, 29.1475

Sweetspot

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



25.8037, 42.2153, 24.5584



74.9988, 90.1735, 84.9045



33.2084, 46.2891, 13.3158



15.4988, 19.0301, 17.4733



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.



25.8037, 42.2153, 24.5584



42.1562, 74.3022, 35.4938



30.8091, 44.2175, 50.9163



10.1022, 11.3219, 11.5416



13.5584, 25.7174, 8.8336



0.6196, 1.1247, 0.5595

Inverse Universe

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



30.4290, 18.5096, 29.9876



51.1558, 27.9134, 45.8620



26.7821, 17.0508, 10.7832



10.3267, 10.1793, 11.8111



16.8541, 8.4314, 12.4096



0.7611, 0.3775, 0.7095

Previews

White Background



This preview shows how the XYZ color 25.8026, 42.2136, 24.5574 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 25.8026, 42.2136, 24.5574 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 25.8026, 42.2136, 24.5574

Background



This preview shows how black text looks on a background with the XYZ color 25.8026, 42.2136, 24.5574.

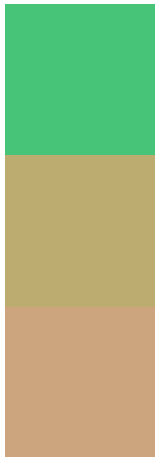


This preview shows how white text looks on a background with the XYZ color 25.8026, 42.2136,

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

25.8026, 42.2136, 24.5574

Protanopia

38.3608, 41.3441, 20.9973

Deuteranopia

42.1877, 41.2799, 25.8230



Tritanopia

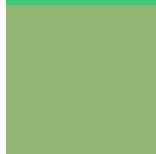
33.1385, 41.9315, 61.6053

Trichromacy



Original Color

25.8026, 42.2136, 24.5574



Protanomaly

31.4152, 40.3736, 22.0567



Deuteranomaly

32.8737, 39.5738, 24.9747



Tritanomaly

29.9797, 41.9293, 45.5428

Monochromacy



Original Color

25.8026, 42.2136, 24.5574



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

26.5050, 33.6391, 29.5221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8026, 42.2136, 24.5574 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(72, 196, 120)` looks like.

```
.text, #text, p{  
    color:rgb(72, 196, 120)  
}
```

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(72, 196, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 196, 120) }
```

Border

The CSS property to change the border of an element to XYZ 25.8026, 42.2136, 24.5574 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(72, 196, 120) }
```


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

```
.border{ border-color:rgb(72, 196, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 196, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(72, 196, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(72, 196, 120); box-shadow:4px 4px 4px 4px rgb(72, 196, 120) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8026, 42.2136, 24.5574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 196, 120) }
```

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

```
.background{ background-color: rgb(72, 196,  
120) }
```

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