

Converting Colors

XYZ(25.8106, 41.5524, 24.5210)

Have a look what the booklet for
XYZ(25.8106, 41.5524, 24.5210)
contains.

XYZ(25.8238, 41.5593, 24.4300)	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(25.8238, 41.5593,
24.4300)**

Conversions

Conversions Part 1

Format	Color
Hex	4EC278
RGB	78, 194, 120
RGB Percent	31%, 76%, 47%
CMY	0.6941, 0.2392, 0.5294
CMYK	0.60, 0.00, 0.38, 0.24
HSL	142°, 49%, 53%
HSV	142°, 60%, 76%
XYZ	25.8238, 41.5593, 24.4300
YIQ	150.8800, -45.3820, -47.6060

Conversions

Conversions Part 2

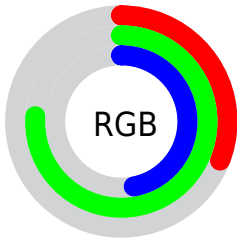
Format	Color
RYB	78, 163, 194
Decimal	5161592
CIELab	70.57, -49.29, 27.72
CIELCh	71, 56.550, 150.646
Yxy	41.5593, 0.2813, 0.4527
Android (android.graphics.Color)	4283351672 (0xFF4EC278)
YUV	150.8800, -15.2238, -63.9158
Hunter-Lab	64.4665, -41.3134, 22.6582

Details

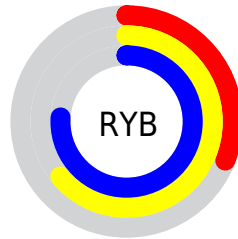
The XYZ color **25.8238, 41.5593, 24.4300** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **30.6413, 19.1859, 31.7953**, and the grayscale version is **29.4419, 30.9751, 33.7319**.

A 20% lighter version of the original color is **52.3565, 77.3299, 51.7018**, and **10.3381, 18.9074, 8.8990** is the 20% darker color. If you saturate the color by 10%, you get **23.7595, 40.5775, 20.6632**, and if you desaturate by 10%, it is **28.4561, 42.8250, 28.7320**.

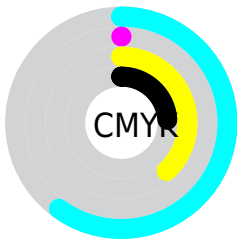
Distribution



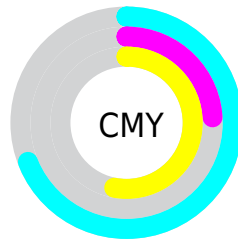
- Red (31%)
- Green (76%)
- Blue (47%)



- Red (31%)
- Yellow (64%)
- Blue (76%)



- Cyan (60%)
- Magenta (0%)
- Yellow (38%)
- Black (24%)





- Cyan (69%)
- Magenta (24%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.8238, 41.5593, 24.4300 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 25.8238, 41.5593, 24.4300 by changing the saturation by 10% instead.


 25.8238, 41.5593,
24.4300


 25.8238, 41.5593,
24.4300


274.1886,
352.6528, 288.3435


 16.8239, 28.7564,
15.4378


 52.4239, 77.5322,
51.6836


 10.2035, 18.8966,
8.9772


 70.7547, 101.4710,
70.7820

 5.5974, 11.5956,
4.6297


 92.9266, 129.8905,
94.0863

 2.6402, 6.4689,
1.9768

 119.3049,
163.1751, 122.0149

 0.9665, 3.1323,
0.5409

150.2548,
201.7093, 154.9863

 0.0000, 1.2012,
0.0000

186.1419,

 0.0000, 0.0627,

245.8773, 193.4192

0.0000

227.3314,
296.0637, 237.7321

■ 0.0000, 0.0000,
0.0000

■ 25.8238, 41.5593,
24.4300

■ 25.8238, 41.5593,
24.4300

■ 23.7595, 40.5775,
20.6632

■ 28.4561, 42.8250,
28.7320

■ 22.2138, 39.8512,
17.4074

■ 31.6940, 44.3901,
33.5866

■ 21.1335, 39.3543,
14.6404

■ 35.5758, 46.2751,
39.0137

■ 20.4188, 39.0362,
12.3356

■ 40.1352, 48.4971,
45.0315

■ 20.4057, 39.0304,
12.2927

■ 45.4039, 51.0720,
51.6573

■ 51.4111, 54.0146,
58.9076

■ 58.1848, 57.3389,
66.7986

■ 65.7512, 61.0582,
75.3453

■ 74.1353, 65.1851,
84.5629

Harmonies

Analogous

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



31.0353, 41.5593, 13.8567



25.8238, 41.5593, 24.4300



24.1263, 41.5593, 45.8330

Triad

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



25.8238, 41.5593, 24.4300



39.7036, 41.5593, 118.6302



57.0546, 41.5593, 23.7705

Complementary

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



25.8238, 41.5593, 24.4300



30.6413, 19.1859, 31.7953

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.



60.3186, 41.5593, 44.6740



25.8238, 41.5593, 24.4300



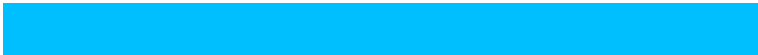
49.3809, 41.5593, 105.4953

Square

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



25.8238, 41.5593, 24.4300



31.3347, 41.5593, 106.5175



57.3136, 41.5593, 75.4384



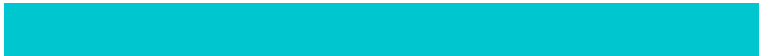
48.9753, 41.5593, 13.5951

Rectangle

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



25.8238, 41.5593, 24.4300



24.9653, 41.5593, 65.9171



57.3136, 41.5593, 75.4384



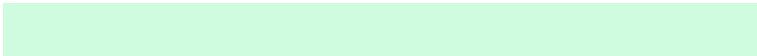
58.8035, 41.5593, 29.4304

Sweetspot

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



25.8249, 41.5610, 24.4309



74.0682, 88.5231, 83.3217



33.8808, 45.9468, 14.2909



15.6421, 19.1035, 17.5026



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.



25.8249, 41.5610, 24.4309



42.0068, 73.0233, 35.3591



30.3309, 43.3634, 48.1593



10.0918, 11.3178, 11.4866



13.4517, 25.6748, 8.2719



0.6144, 1.1226, 0.5322

Inverse Universe

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



30.6413, 19.1859, 31.7953



51.4724, 28.8186, 49.6610



27.0574, 17.7523, 12.9230



10.3375, 10.1836, 11.8679



17.0498, 8.5097, 13.4404



0.7687, 0.3805, 0.7496

Previews

White Background



This preview shows how the XYZ color 25.8238, 41.5593, 24.4300 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 25.8238, 41.5593, 24.4300 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 25.8238, 41.5593, 24.4300

Background



This preview shows how black text looks on a background with the XYZ color 25.8238, 41.5593, 24.4300.



This preview shows how white text looks on a background with the XYZ color 25.8238, 41.5593,

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

25.8238, 41.5593, 24.4300

Protanopia

37.6819, 40.7126, 20.9112

Deuteranopia

41.4633, 40.6398, 25.7376



Tritanopia

32.8161, 41.1712, 60.2501

Trichromacy



Original Color

25.8238, 41.5593, 24.4300



Protanomaly

31.1900, 39.6581, 21.9305



Deuteranomaly

32.8727, 39.2833, 24.9186



Tritanomaly

29.7531, 41.1959, 44.4137

Monochromacy



Original Color

25.8238, 41.5593, 24.4300



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

26.8645, 33.8160, 29.9222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8238, 41.5593, 24.4300 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(78, 194, 120)` looks like.

```
.text, #text, p{  
    color:rgb(78, 194, 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(78, 194, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 194, 120) }
```

Border

The CSS property to change the border of an element to XYZ 25.8238, 41.5593, 24.4300 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(78, 194, 120) }
```


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

```
.border{ border-color:rgb(78, 194, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 194, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 194, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 194, 120);  
box-shadow:4px 4px 4px 4px rgb(78, 194,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8238, 41.5593, 24.4300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 194, 120) }
```

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

```
.background{ background-color: rgb(78, 194,  
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