

Converting Colors

XYZ(16.6039, 40.4720, 23.7006)

Have a look what the booklet for
XYZ(16.6039, 40.4720, 23.7006)
contains.

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Color

**XYZ(25.0422, 44.9470,
24.1854)**

Conversions

Conversions Part 1

Format	Color
Hex	00CD75
RGB	0, 205, 117
RGB Percent	0%, 80%, 46%
CMY	1.0000, 0.1961, 0.5412
CMYK	1.00, 0.00, 0.43, 0.20
HSL	154°, 100%, 40%
HSV	154°, 100%, 80%
XYZ	25.0422, 44.9470, 24.1854
YIQ	133.6730, -93.9320, -70.8280

Conversions

Conversions Part 2

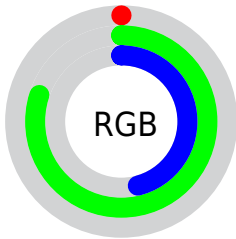
Format	Color
RYB	0, 131, 205
Decimal	52597
CIELab	72.86, -62.46, 32.08
CIELCh	73, 70.220, 152.818
Yxy	44.9470, 0.2659, 0.4773
Android (android.graphics.Color)	4278242677 (0xFF00CD75)
YUV	133.6730, -8.2198, -117.2312
Hunter-Lab	67.0425, -50.6498, 25.5411

Details

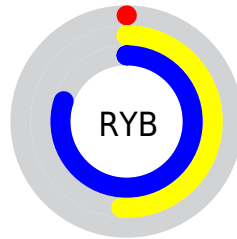
The XYZ color **25.0422, 44.9470, 24.1854** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **26.9400, 13.6847, 10.4570**, and the grayscale version is **22.5959, 23.7726, 25.8884**.

A 20% lighter version of the original color is **48.4952, 77.2471, 50.3844**, and **11.7606, 21.9001, 8.9175** is the 20% darker color. If you saturate the color by 10%, you get **25.0429, 44.9486, 24.1847**, and if you desaturate by 10%, it is **25.8844, 45.3198, 27.0554**.

Distribution



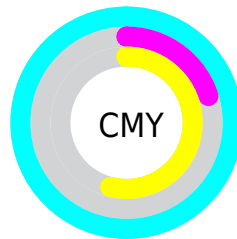
- Red (0%)
- Green (80%)
- Blue (46%)



- Red (0%)
- Yellow (51%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.0422, 44.9470, 24.1854 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 25.0422, 44.9470, 24.1854 by changing the saturation by 10% instead.


 25.0422, 44.9470,
24.1854


 25.0422, 44.9470,
24.1854


270.3918,
366.5589, 287.0732


 16.2374, 31.4157,
15.2577


 51.1681, 82.6409,
51.2802


 9.7842, 20.9156,
8.8518


 69.2199, 107.5722,
70.2844


 5.3173, 13.0623,
4.5492


 91.0847, 137.0724,
93.4846

 2.4713, 7.4715,
1.9312

 117.1279,
171.5257, 121.2992

 0.8808, 3.7587,
0.5125

 147.7149,
211.3166, 154.1468

 0.0000, 1.5395,
0.0000

183.2109,

 0.0000, 0.3163,

256.8295, 192.4460

0.0000

223.9815,
308.4488, 236.6152

■ 0.0000, 0.0000,
0.0000

■ 25.0422, 44.9470,
24.1854

■ 25.0422, 44.9470,
24.1854

■ 25.0429, 44.9486,
24.1847

■ 25.8844, 45.3198,
27.0554

■ 27.0925, 45.8741,
30.2023

■ 28.7770, 46.6682,
33.6387

■ 30.9974, 47.7325,
37.3734

■ 33.8037, 49.0927,
41.4150

■ 37.2400, 50.7713,
45.7713

■ 41.3462, 52.7888,
50.4498

■ 46.1585, 55.1638,
55.4577

■ 51.7107, 57.9135,
60.8019

Harmonies

Analogous

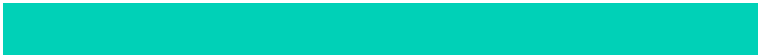
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.2095, 44.9470, 11.3727



25.0422, 44.9470, 24.1854



23.2871, 44.9470, 52.3227

Triad

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



25.0422, 44.9470, 24.1854



43.8863, 44.9470, 151.6186



65.6669, 44.9470, 20.7779

Complementary

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



25.0422, 44.9470, 24.1854



26.9400, 13.6847, 10.4570

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.



70.7497, 44.9470, 45.7057



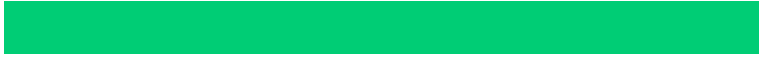
25.0422, 44.9470, 24.1854



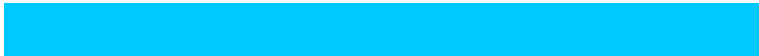
56.7628, 44.9470, 130.0760

Square

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



25.0422, 44.9470, 24.1854



32.8605, 44.9470, 136.5270



67.2173, 44.9470, 86.5678



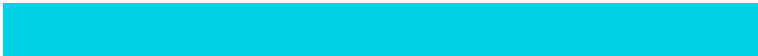
54.3791, 44.9470, 10.1677

Rectangle

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



25.0422, 44.9470, 24.1854



24.5162, 44.9470, 79.9499



67.2173, 44.9470, 86.5678



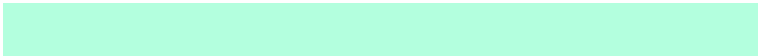
68.2457, 44.9470, 27.2067

Sweetspot

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



25.0433, 44.9488, 24.1864



67.4412, 86.3267, 82.3273



25.9369, 45.7804, 7.4698



13.7950, 18.1625, 16.9090



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.



25.0433, 44.9488, 24.1864



40.9118, 73.5807, 39.0492



29.7245, 41.8170, 64.2647



11.3318, 12.6425, 13.3047



15.6380, 28.0005, 15.3106



0.8443, 1.4595, 0.9877

Inverse Universe

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



26.9400, 13.6847, 10.4570



44.0257, 22.3743, 16.5992



25.3306, 13.2852, 1.2296



11.4089, 11.2923, 12.6879



16.8158, 8.5369, 6.7489



0.9053, 0.4555, 0.5471

Previews

White Background



This preview shows how the XYZ color 25.0422, 44.9470, 24.1854 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 25.0422, 44.9470, 24.1854 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 25.0422, 44.9470, 24.1854

Background



This preview shows how black text looks on a background with the XYZ color 25.0422, 44.9470, 24.1854.



This preview shows how white text looks on a background with the XYZ color 25.0422, 44.9470,

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

25.0422, 44.9470, 24.1854

Protanopia

40.5718, 43.9542, 19.9813

Deuteranopia

44.9404, 44.0790, 25.5415



Tritanopia

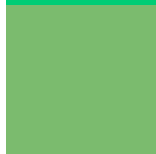
33.9051, 44.7732, 67.8279

Trichromacy



Original Color

25.0422, 44.9470, 24.1854



Protanomaly

28.7532, 40.8774, 21.1265



Deuteranomaly

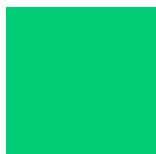
30.2779, 40.3404, 24.6030



Tritanomaly

29.2495, 44.1511, 48.0547

Monochromacy



Original Color

25.0422, 44.9470, 24.1854



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

20.2134, 28.6314, 24.8831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0422, 44.9470, 24.1854 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(0, 205, 117)` looks like.

```
.text, #text, p{  
    color:rgb(0, 205, 117)  
}
```

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(0, 205, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 205, 117) }
```

Border

The CSS property to change the border of an element to XYZ 25.0422, 44.9470, 24.1854 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(0, 205, 117) }
```


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

```
.border{ border-color:rgb(0, 205, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 205, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 205, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 205, 117); box-shadow:4px 4px 4px 4px rgb(0, 205, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0422, 44.9470, 24.1854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 205, 117) }
```

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

```
.background{ background-color: rgb(0, 205,  
117) }
```

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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