

Converting Colors

XYZ(24.9537, 44.5301, 24.8954)

Have a look what the booklet for
XYZ(24.9537, 44.5301, 24.8954)
contains.

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Color

**XYZ(24.9830, 44.5418,
25.0500)**

Conversions

Conversions Part 1

Format	Color
Hex	00CC78
RGB	0, 204, 120
RGB Percent	0%, 80%, 47%
CMY	1.0000, 0.2000, 0.5294
CMYK	1.00, 0.00, 0.41, 0.20
HSL	155°, 100%, 40%
HSV	155°, 100%, 80%
XYZ	24.9830, 44.5418, 25.0500
YIQ	133.4280, -94.6200, -69.3720

Conversions

Conversions Part 2

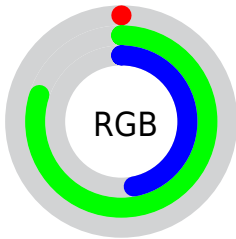
Format	Color
RYB	0, 128, 204
Decimal	52344
CIELab	72.59, -61.56, 30.19
CIELCh	73, 68.567, 153.877
Yxy	44.5418, 0.2642, 0.4710
Android (android.graphics.Color)	4278242424 (0xFF00CC78)
YUV	133.4280, -6.6200, -117.0164
Hunter-Lab	66.7396, -49.9755, 24.4639

Details

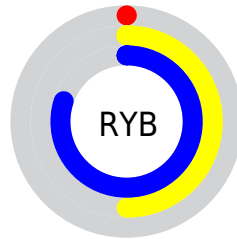
The XYZ color **24.9830, 44.5418, 25.0500** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **26.5036, 13.4784, 9.5946**, and the grayscale version is **22.5004, 23.6722, 25.7790**.

A 20% lighter version of the original color is **48.6697, 77.3038, 51.8911**, and **11.6954, 21.6220, 9.3514** is the 20% darker color. If you saturate the color by 10%, you get **24.9837, 44.5434, 25.0496**, and if you desaturate by 10%, it is **25.8135, 44.9096, 27.8693**.

Distribution



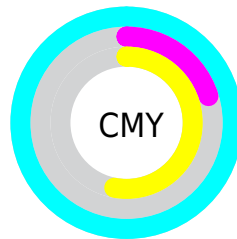
- Red (0%)
- Green (80%)
- Blue (47%)



- Red (0%)
- Yellow (50%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (41%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9830, 44.5418, 25.0500 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 24.9830, 44.5418, 25.0500 by changing the saturation by 10% instead.


 24.9830, 44.5418,
25.0500


 24.9830, 44.5418,
25.0500


270.1025,
364.9147, 291.5425


 16.1931, 31.0967,
15.8950


 51.0727, 82.0324,
52.7035


 9.7526, 20.6725,
9.2963


 69.1032, 106.8467,
72.0389


 5.2962, 12.8848,
4.8355


 90.9446, 136.2194,
95.6050

 2.4586, 7.3493,
2.0940

 116.9623,
170.5351, 123.8201

 0.8744, 3.6815,
0.6122

 147.5215,
210.1781, 157.1029

 0.0000, 1.4970,
0.0000

182.9877,

 0.0000, 0.2866,

255.5327, 195.8719

0.0000

223.7263,
306.9834, 240.5456

■ 0.0000, 0.0000,
0.0000

■ 24.9830, 44.5418,
25.0500

■ 24.9830, 44.5418,
25.0500

■ 24.9837, 44.5434,
25.0496

■ 25.8135, 44.9096,
27.8693

■ 27.0019, 45.4554,
30.9437

■ 28.6578, 46.2369,
34.2848

■ 30.8396, 47.2838,
37.9007

■ 33.5966, 48.6217,
41.7990

■ 36.9725, 50.2728,
45.9867

■ 41.0062, 52.2572,
50.4706

■ 45.7335, 54.5932,
55.2570

■ 51.1876, 57.2978,
60.3522

Harmonies

Analogous

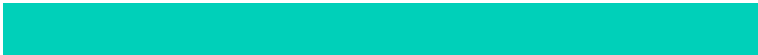
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.8532, 44.5418, 11.9713



24.9830, 44.5418, 25.0500



23.4147, 44.5418, 53.0501

Triad

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



24.9830, 44.5418, 25.0500



43.8965, 44.5418, 147.2085



64.2332, 44.5418, 20.4414

Complementary

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



24.9830, 44.5418, 25.0500



26.5036, 13.4784, 9.5946

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.



69.4095, 44.5418, 44.2148



24.9830, 44.5418, 25.0500



56.3629, 44.5418, 125.4470

Square

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



24.9830, 44.5418, 25.0500



33.0671, 44.5418, 133.9541



66.2909, 44.5418, 83.3154



53.1920, 44.5418, 10.3162

Rectangle

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



24.9830, 44.5418, 25.0500



24.7181, 44.5418, 80.0314



66.2909, 44.5418, 83.3154



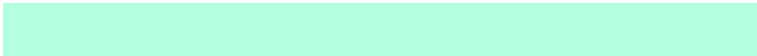
66.8016, 44.5418, 26.5736

Sweetspot

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



24.9841, 44.5436, 25.0510



67.6216, 86.3989, 83.2775



25.3408, 45.1191, 7.3736



13.8379, 18.1797, 17.1348



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.



24.9841, 44.5436, 25.0510



41.2646, 73.7218, 40.9069



28.6708, 39.9023, 63.3197



11.3402, 12.6458, 13.3490



15.7717, 28.0540, 16.0148



0.8508, 1.4621, 1.0219

Inverse Universe

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



26.5036, 13.4784, 9.5946



43.7901, 22.2800, 15.3585



25.1035, 13.2391, 1.2326



11.4007, 11.2890, 12.6445



16.7247, 8.5005, 6.2687



0.9003, 0.4535, 0.5206

Previews

White Background



This preview shows how the XYZ color 24.9830, 44.5418, 25.0500 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 24.9830, 44.5418, 25.0500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

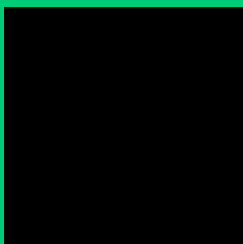
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

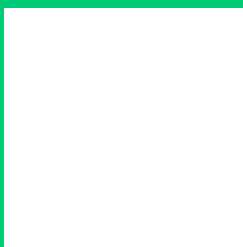
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.9830, 44.5418, 25.0500

Background



This preview shows how black text looks on a background with the XYZ color 24.9830, 44.5418, 25.0500.



This preview shows how white text looks on a background with the XYZ color 24.9830, 44.5418,

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

24.9830, 44.5418, 25.0500

Protanopia

40.4748, 43.8859, 20.8056

Deuteranopia

44.3787, 43.4898, 26.4774



Tritanopia

33.7021, 44.6829, 67.1700

Trichromacy



Original Color

24.9830, 44.5418, 25.0500



Protanomaly

28.9193, 40.9439, 22.0015



Deuteranomaly

30.1025, 39.9231, 25.5214



Tritanomaly

29.3488, 44.1909, 48.5778

Monochromacy



Original Color

24.9830, 44.5418, 25.0500



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

20.0407, 28.2861, 24.8256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9830, 44.5418, 25.0500 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, 204, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 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(0, 204, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 120) }
```

Border

The CSS property to change the border of an element to XYZ 24.9830, 44.5418, 25.0500 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, 204, 120) }
```


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

```
.border{ border-color:rgb(0, 204, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9830, 44.5418, 25.0500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 120) }
```

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

```
.background{ background-color: rgb(0, 204,  
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](#).

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