

Converting Colors

XYZ(25.5185, 44.7560, 27.8696)

Have a look what the booklet for
XYZ(25.5185, 44.7560, 27.8696)
contains.

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Color

**XYZ(25.4891, 44.7442,
27.7152)**

Conversions

Conversions Part 1

Format	Color
Hex	00CC80
RGB	0, 204, 128
RGB Percent	0%, 80%, 50%
CMY	0.9999, 0.2000, 0.4980
CMYK	1.00, 0.00, 0.37, 0.20
HSL	158°, 100%, 40%
HSV	158°, 100%, 80%
XYZ	25.4891, 44.7442, 27.7152
YIQ	134.3400, -97.1880, -66.8840

Conversions

Conversions Part 2

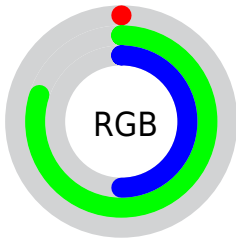
Format	Color
RYB	0, 125, 204
Decimal	52352
CIELab	72.72, -59.99, 26.22
CIELCh	73, 65.472, 156.392
Yxy	44.7442, 0.2602, 0.4568
Android (android.graphics.Color)	4278242432 (0xFF00CC80)
YUV	134.3400, -3.1256, -117.8162
Hunter-Lab	66.8911, -49.0414, 22.2580

Details

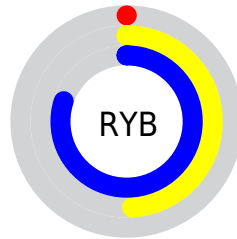
The XYZ color **25.4891, 44.7442, 27.7152** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **26.2079, 13.3601, 8.0375**, and the grayscale version is **22.8239, 24.0126, 26.1497**.

A 20% lighter version of the original color is **49.4673, 77.6229, 56.0916**, and **11.9651, 21.7299, 10.7714** is the 20% darker color. If you saturate the color by 10%, you get **25.4898, 44.7458, 27.7145**, and if you desaturate by 10%, it is **26.3064, 45.1067, 30.4648**.

Distribution



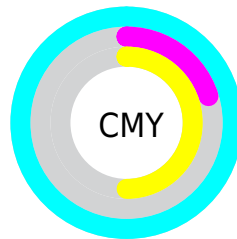
- Red (0%)
- Green (80%)
- Blue (50%)



- Red (0%)
- Yellow (49%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.4891, 44.7442, 27.7152 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 25.4891, 44.7442, 27.7152 by changing the saturation by 10% instead.


 25.4891, 44.7442,
27.7152


 25.4891, 44.7442,
27.7152


272.5679,
365.7366, 304.9725

 16.5725, 31.2560,
17.8739


 51.8868, 82.3364,
57.0470


 10.0236, 20.7939,
10.6910


 70.0986, 107.2092,
77.3747


 5.4770, 12.9734,
5.7479


 92.1395, 136.6457,
102.0348

 2.5674, 7.4102,
2.6261

 118.3748,
171.0302, 131.4461

 0.9293, 3.7200,
0.9059

 149.1700,
210.7471, 166.0269

 0.0000, 1.5182,
0.0000

184.8903,

 0.0000, 0.3015,

256.1809, 206.1959

0.0000

225.9012,
307.7159, 252.3716

■ 0.0000, 0.0000,
0.0000

■ 25.4891, 44.7442,
27.7152

■ 25.4891, 44.7442,
27.7152

■ 25.4898, 44.7458,
27.7145

■ 26.3064, 45.1067,
30.4648

■ 27.4741, 45.6443,
33.4297

■ 29.1013, 46.4142,
36.6198

■ 31.2463, 47.4465,
40.0419

■ 33.9582, 48.7663,
43.7020

■ 37.2802, 50.3959,
47.6057

■ 41.2511, 52.3552,
51.7586

■ 45.9065, 54.6624,
56.1657

■ 51.2792, 57.3344,
60.8321

Harmonies

Analogous

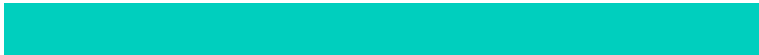
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.8405, 44.7442, 13.7197



25.4891, 44.7442, 27.7152



24.3049, 44.7442, 56.0198

Triad

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



25.4891, 44.7442, 27.7152



45.0062, 44.7442, 141.0769



62.6454, 44.7442, 20.2314

Complementary

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



25.4891, 44.7442, 27.7152



26.2079, 13.3601, 8.0375

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.



68.1375, 44.7442, 42.0815



25.4891, 44.7442, 27.7152



56.8481, 44.7442, 118.4168

Square

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



25.4891, 44.7442, 27.7152



34.3665, 44.7442, 131.4573



65.8464, 44.7442, 78.3109



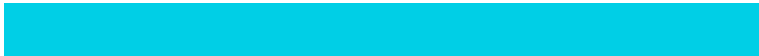
51.8891, 44.7442, 10.9400

Rectangle

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



25.4891, 44.7442, 27.7152



25.8092, 44.7442, 82.1506



65.8464, 44.7442, 78.3109



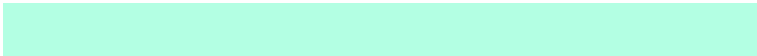
65.2481, 44.7442, 25.8673

Sweetspot

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



25.4903, 44.7460, 27.7162



68.0310, 86.5626, 85.4331



24.7528, 44.8159, 7.3461



13.9353, 18.2187, 17.6481



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.



25.4903, 44.7460, 27.7162



42.1047, 74.0579, 45.3305



27.2622, 37.0850, 62.8501



11.3591, 12.6534, 13.4484



16.0893, 28.1810, 17.6872



0.8660, 1.4682, 1.1019

Inverse Universe

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



26.2079, 13.3601, 8.0375



43.3058, 22.0863, 12.8085



25.2256, 13.4834, 1.2734



11.3823, 11.2816, 12.5477



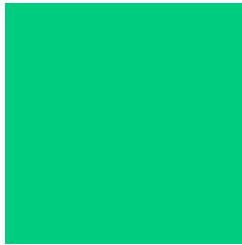
16.5363, 8.4251, 5.2767



0.8896, 0.4492, 0.4643

Previews

White Background



This preview shows how the XYZ color 25.4891, 44.7442, 27.7152 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 25.4891, 44.7442, 27.7152 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 25.4891, 44.7442, 27.7152

Background



This preview shows how black text looks on a background with the XYZ color 25.4891, 44.7442, 27.7152.



This preview shows how white text looks on a background with the XYZ color 25.4891, 44.7442,

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

25.4891, 44.7442, 27.7152

Protanopia

40.6713, 43.9351, 23.1663

Deuteranopia

44.8311, 43.9369, 29.4104



Tritanopia

33.6723, 44.6532, 67.8170

Trichromacy



Original Color

25.4891, 44.7442, 27.7152



Protanomaly

29.2476, 41.0587, 24.4728



Deuteranomaly

30.4773, 40.0549, 28.3153



Tritanomaly

29.5590, 44.2643, 50.1660

Monochromacy



Original Color

25.4891, 44.7442, 27.7152



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

20.3093, 28.3935, 26.2399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.4891, 44.7442, 27.7152 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 128)  
}
```

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, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 128) }
```

Border

The CSS property to change the border of an element to XYZ 25.4891, 44.7442, 27.7152 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, 128) }
```


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

```
.border{ border-color:rgb(0, 204, 128) }
```

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, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 128);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 25.4891, 44.7442, 27.7152 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, 128) }
```

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

```
.background{ background-color: rgb(0, 204,  
128) }
```

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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