

Converting Colors

XYZ(24.1781, 44.2198, 20.8114)

Have a look what the booklet for
XYZ(24.1781, 44.2198, 20.8114)
contains.

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Color

**XYZ(24.1944, 44.2263,
20.8970)**

Conversions

Conversions Part 1

Format	Color
Hex	00CC6A
RGB	0, 204, 106
RGB Percent	0%, 80%, 42%
CMY	0.9999, 0.2000, 0.5843
CMYK	1.00, 0.00, 0.48, 0.20
HSL	151°, 100%, 40%
HSV	151°, 100%, 80%
XYZ	24.1944, 44.2263, 20.8970
YIQ	131.8320, -90.1260, -73.7260

Conversions

Conversions Part 2

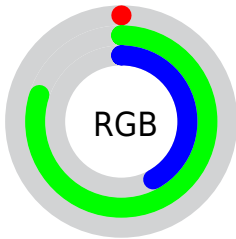
Format	Color
RYB	0, 134, 204
Decimal	52330
CIELab	72.38, -64.07, 37.01
CIELCh	72, 73.990, 149.983
Yxy	44.2263, 0.2709, 0.4952
Android (android.graphics.Color)	4278242410 (0xFF00CC6A)
YUV	131.8320, -12.7352, -115.6167
Hunter-Lab	66.5029, -51.4399, 27.9215

Details

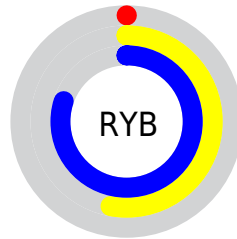
The XYZ color **24.1944, 44.2263, 20.8970** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **27.1083, 13.7203, 12.7787**, and the grayscale version is **21.9415, 23.0842, 25.1387**.

A 20% lighter version of the original color is **47.4975, 76.8480, 45.1307**, and **11.3037, 21.4653, 7.2888** is the 20% darker color. If you saturate the color by 10%, you get **24.1949, 44.2278, 20.8960**, and if you desaturate by 10%, it is **25.0316, 44.5968, 23.7518**.

Distribution



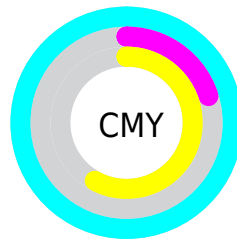
- Red (0%)
- Green (80%)
- Blue (42%)



- Red (0%)
- Yellow (53%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1944, 44.2263, 20.8970 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 24.1944, 44.2263, 20.8970 by changing the saturation by 10% instead.


 24.1944, 44.2263,
20.8970


 24.1944, 44.2263,
20.8970


266.2241,
363.6309, 269.4936


 15.6034, 30.8485,
12.8582


 49.7996, 81.5582,
45.7946


 9.3330, 20.4835,
7.2014


 67.5445, 106.2810,
63.4905


 5.0179, 12.7470,
3.5080


 89.0715, 135.5542,
85.2426

 2.2926, 7.2545,
1.3595

 114.7458,
169.7623, 111.4693

 0.7909, 3.6218,
0.1098

 144.9329,
209.2896, 142.5892

 0.0000, 1.4643,
0.0000

179.9981,

 0.0000, 0.2634,

254.5206, 179.0209

0.0000

220.3067,
305.8396, 221.1829

■ 0.0000, 0.0000,
0.0000

■ 24.1944, 44.2263,
20.8970

■ 24.1944, 44.2263,
20.8970

■ 24.1949, 44.2278,
20.8960

■ 25.0316, 44.5968,
23.7518

■ 26.2412, 45.1511,
26.9370

■ 27.9332, 45.9470,
30.4679

■ 30.1668, 47.0147,
34.3561

■ 32.9920, 48.3799,
38.6126

■ 36.4529, 50.0650,
43.2477

■ 40.5892, 52.0905,
48.2712

■ 45.4372, 54.4747,
53.6924

■ 51.0307, 57.2351,
59.5204

Harmonies

Analogous

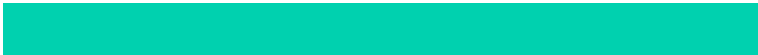
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.9452, 44.2263, 9.3672



24.1944, 44.2263, 20.8970



21.9917, 44.2263, 48.1337

Triad

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



24.1944, 44.2263, 20.8970



42.0284, 44.2263, 157.8757



67.0206, 44.2263, 20.9181

Complementary

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



24.1944, 44.2263, 20.8970



27.1083, 13.7203, 12.7787

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.



71.5943, 44.2263, 48.1762



24.1944, 44.2263, 20.8970



55.5025, 44.2263, 138.0518

Square

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



24.1944, 44.2263, 20.8970



30.9347, 44.2263, 138.0089



67.0105, 44.2263, 92.4611



55.5180, 44.2263, 9.3744

Rectangle

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



24.1944, 44.2263, 20.8970



22.9631, 44.2263, 76.3244



67.0105, 44.2263, 92.4611



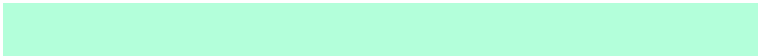
69.5118, 44.2263, 27.9409

Sweetspot

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



24.1955, 44.2281, 20.8980



66.9224, 86.1192, 79.5951



26.6968, 45.8181, 7.4371



13.6720, 18.1133, 16.2614



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.



24.1955, 44.2281, 20.8980



39.9586, 73.1994, 34.0296



31.6940, 45.9486, 64.3274



11.3074, 12.6327, 13.1760



15.2754, 27.8554, 13.4010



0.8263, 1.4523, 0.8927

Inverse Universe

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



27.1083, 13.7203, 12.7787



44.7844, 22.6778, 20.5947



24.9399, 12.9120, 1.1782



11.4330, 11.3020, 12.8150



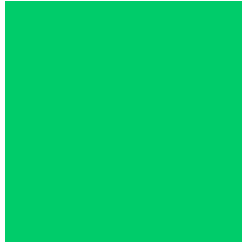
17.1079, 8.6537, 8.2866



0.9209, 0.4618, 0.6291

Previews

White Background



This preview shows how the XYZ color 24.1944, 44.2263, 20.8970 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 24.1944, 44.2263, 20.8970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

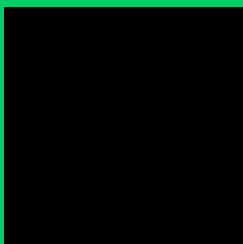
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

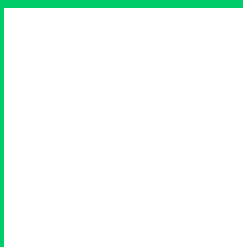
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.1944, 44.2263, 20.8970

Background



This preview shows how black text looks on a background with the XYZ color 24.1944, 44.2263, 20.8970.

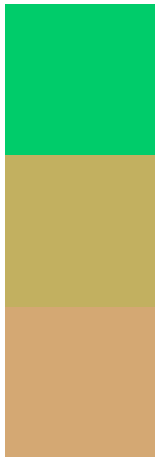


This preview shows how white text looks on a background with the XYZ color 24.1944, 44.2263,

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

24.1944, 44.2263, 20.8970

Protanopia

39.8848, 43.3645, 17.3344

Deuteranopia

44.2485, 43.2401, 22.2337



Tritanopia

33.5157, 44.2718, 66.4534

Trichromacy



Original Color

24.1944, 44.2263, 20.8970



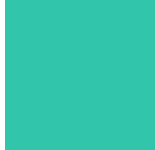
Protanomaly

28.0275, 40.2489, 18.3482



Deuteranomaly

29.4402, 39.3685, 21.3765



Tritanomaly

28.5836, 43.5257, 45.4229

Monochromacy



Original Color

24.1944, 44.2263, 20.8970



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

19.4582, 27.7686, 23.0732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1944, 44.2263, 20.8970 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 106) }
```

Border

The CSS property to change the border of an element to XYZ 24.1944, 44.2263, 20.8970 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, 106) }
```


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

```
.border{ border-color:rgb(0, 204, 106) }
```

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, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 106);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1944, 44.2263, 20.8970 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, 106) }
```

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

```
.background{ background-color: rgb(0, 204,  
106) }
```

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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