

Converting Colors

XYZ(24.0062, 43.7895, 20.2837)

Have a look what the booklet for
XYZ(24.0062, 43.7895, 20.2837)
contains.

XYZ(24.0062, 43.7895, 20.2837)	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(24.0062, 43.7895,
20.2837)**

Conversions

Conversions Part 1

Format	Color
Hex	0CCB68
RGB	12, 203, 104
RGB Percent	5%, 80%, 41%
CMY	0.9529, 0.2039, 0.5921
CMYK	0.94, 0.00, 0.49, 0.20
HSL	149°, 89%, 42%
HSV	149°, 94%, 80%
XYZ	24.0062, 43.7895, 20.2837
YIQ	134.6050, -82.0570, -71.2810

Conversions

Conversions Part 2

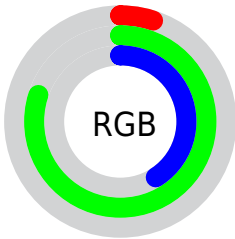
Format	Color
RYB	12, 141, 203
Decimal	838504
CIELab	72.09, -63.63, 37.65
CIELCh	72, 73.936, 149.387
Yxy	43.7895, 0.2726, 0.4972
Android (android.graphics.Color)	4279028584 (0xFF0CCB68)
YUV	134.6050, -15.0883, -107.5246
Hunter-Lab	66.1736, -51.0484, 28.1478

Details

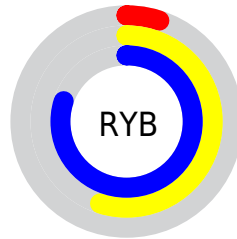
The XYZ color **24.0062, 43.7895, 20.2837** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **27.6307, 14.1079, 16.3074**, and the grayscale version is **22.9599, 24.1556, 26.3054**.

A 20% lighter version of the original color is **47.5547, 76.8974, 44.2346**, and **11.0996, 21.1338, 6.9842** is the 20% darker color. If you saturate the color by 10%, you get **23.5510, 43.5912, 18.6736**, and if you desaturate by 10%, it is **25.0292, 44.2524, 23.2992**.

Distribution



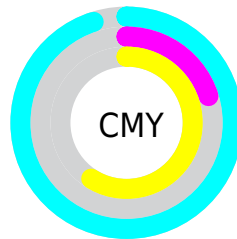
- Red (5%)
- Green (80%)
- Blue (41%)



- Red (5%)
- Yellow (55%)
- Blue (80%)



- Cyan (94%)
- Magenta (0%)
- Yellow (49%)
- Black (20%)





- Cyan (95%)
- Magenta (20%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0062, 43.7895, 20.2837 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 24.0062, 43.7895, 20.2837 by changing the saturation by 10% instead.


 24.0062, 43.7895,
20.2837


 24.0062, 43.7895,
20.2837


265.2917,
361.8486, 266.1017


 15.4630, 30.5051,
12.4153

 49.4949, 80.9009,
44.7575


 9.2334, 20.2223,
6.9012


 67.1711, 105.4966,
62.2000


 4.9520, 12.5567,
3.3229


 88.6224, 134.6316,
83.6710

 2.2536, 7.1240,
1.2618

 114.2140,
168.6902, 109.5890

 0.7708, 3.5398,
0.0302

 144.3114,
208.0568, 140.3725

 0.0000, 1.4196,
0.0000

179.2799,

 0.0000, 0.2311,

253.1158, 176.4401

0.0000

219.4849,
304.2516, 218.2103

■ 0.0000, 0.0000,
0.0000

■ 24.0062, 43.7895,
20.2837

■ 24.0062, 43.7895,
20.2837

■ 23.5510, 43.5912,
18.6736

■ 25.0292, 44.2524,
23.2992

■ 26.5090, 44.9417,
26.6954

■ 28.5107, 45.8917,
30.4879

■ 31.0874, 47.1297,
34.6902

■ 34.2851, 48.6791,
39.3150

■ 38.1453, 50.5611,
44.3744

■ 42.7053, 52.7948,
49.8799

■ 48.0000, 55.3978,
55.8425

■ 54.0615, 58.3866,
62.2731

Harmonies

Analogous

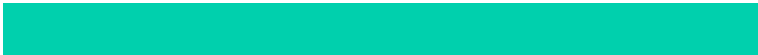
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.7933, 43.7895, 9.1032



24.0062, 43.7895, 20.2837



21.7348, 43.7895, 46.9383

Triad

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



24.0062, 43.7895, 20.2837



41.3611, 43.7895, 156.7040



66.6039, 43.7895, 21.0223

Complementary

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



24.0062, 43.7895, 20.2837



27.6307, 14.1079, 16.3074

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.



70.9746, 43.7895, 48.4281



24.0062, 43.7895, 20.2837



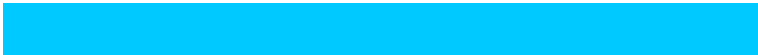
54.7281, 43.7895, 137.7281

Square

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



24.0062, 43.7895, 20.2837



30.4262, 43.7895, 136.2228



66.2487, 43.7895, 92.6564



55.2706, 43.7895, 9.3525

Rectangle

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



24.0062, 43.7895, 20.2837



22.6402, 43.7895, 74.7306



66.2487, 43.7895, 92.6564



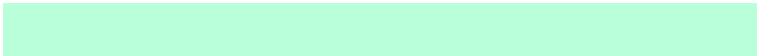
69.0269, 43.7895, 28.0987

Sweetspot

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



24.0073, 43.7913, 20.2847



68.0852, 86.7225, 79.4742



28.3458, 46.3088, 7.7925



13.8751, 18.2205, 16.1584



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.



24.0073, 43.7913, 20.2847



39.3242, 72.9457, 30.6889



31.5449, 46.8063, 59.9774



11.2894, 12.6255, 13.0812



15.0327, 27.7584, 12.1234



0.8138, 1.4473, 0.8271

Inverse Universe

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



27.6307, 14.1079, 16.3074



45.4168, 22.9307, 23.9249



24.8733, 13.0050, 1.7876



11.4511, 11.3092, 12.9099



17.3498, 8.7505, 9.5604



0.9333, 0.4667, 0.6946

Previews

White Background



This preview shows how the XYZ color 24.0062, 43.7895, 20.2837 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 24.0062, 43.7895, 20.2837 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 24.0062, 43.7895, 20.2837

Background



This preview shows how black text looks on a background with the XYZ color 24.0062, 43.7895, 20.2837.



This preview shows how white text looks on a background with the XYZ color 24.0062, 43.7895,

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

24.0062, 43.7895, 20.2837

Protanopia

39.3427, 42.8056, 16.7784

Deuteranopia

43.6633, 42.6786, 21.5593



Tritanopia

33.2540, 43.8240, 65.7377

Trichromacy



Original Color

24.0062, 43.7895, 20.2837



Protanomaly

28.3060, 40.0918, 17.8019



Deuteranomaly

29.7832, 39.2573, 20.7595



Tritanomaly

28.5169, 43.1664, 44.8592

Monochromacy



Original Color

24.0062, 43.7895, 20.2837



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

20.4253, 28.7705, 23.5455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0062, 43.7895, 20.2837 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(12, 203, 104)` looks like.

```
.text, #text, p{  
    color:rgb(12, 203, 104)  
}
```

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(12, 203, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 203, 104) }
```

Border

The CSS property to change the border of an element to XYZ 24.0062, 43.7895, 20.2837 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(12, 203, 104) }
```


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

```
.border{ border-color:rgb(12, 203, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 203, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 203, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 203, 104);  
box-shadow:4px 4px 4px 4px rgb(12, 203,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0062, 43.7895, 20.2837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 203, 104) }
```

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

```
.background{ background-color: rgb(12, 203,  
104) }
```

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