

Converting Colors

XYZ(23.3677, 40.3550, 21.5771)

Have a look what the booklet for
XYZ(23.3677, 40.3550, 21.5771)
contains.

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Color

**XYZ(23.3800, 40.3596,
21.5969)**

Conversions

Conversions Part 1

Format	Color
Hex	30C26F
RGB	48, 194, 111
RGB Percent	19%, 76%, 44%
CMY	0.8117, 0.2392, 0.5647
CMYK	0.75, 0.00, 0.43, 0.24
HSL	146°, 60%, 47%
HSV	146°, 75%, 76%
XYZ	23.3800, 40.3596, 21.5969
YIQ	140.8840, -60.3730, -56.7650

Conversions

Conversions Part 2

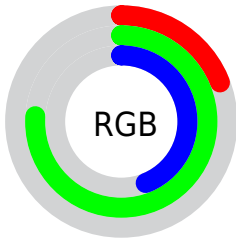
Format	Color
RYB	48, 150, 194
Decimal	3195503
CIELab	69.72, -56.22, 31.16
CIELCh	70, 64.279, 151.000
Yxy	40.3596, 0.2740, 0.4729
Android (android.graphics.Color)	4281385583 (0xFF30C26F)
YUV	140.8840, -14.7328, -81.4593
Hunter-Lab	63.5292, -45.4846, 24.3147

Details

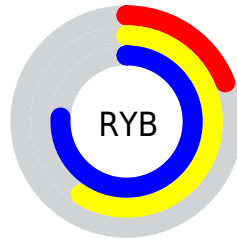
The XYZ color **23.3800, 40.3596, 21.5969** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **27.4032, 15.2229, 22.9687**, and the grayscale version is **25.3460, 26.6659, 29.0392**.

A 20% lighter version of the original color is **48.5815, 75.9460, 47.2205**, and **10.1021, 18.8130, 7.6563** is the 20% darker color. If you saturate the color by 10%, you get **22.0870, 39.7601, 18.5602**, and if you desaturate by 10%, it is **25.1499, 41.1986, 25.0492**.

Distribution



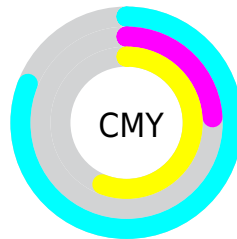
- Red (19%)
- Green (76%)
- Blue (44%)



- Red (19%)
- Yellow (59%)
- Blue (76%)



- Cyan (75%)
- Magenta (0%)
- Yellow (43%)
- Black (24%)



- Cyan (81%)
- Magenta (24%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3800, 40.3596, 21.5969 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 23.3800, 40.3596, 21.5969 by changing the saturation by 10% instead.

■ 23.3800, 40.3596,
21.5969

■ 23.3800, 40.3596,
21.5969

262.1698,
347.6369, 273.3184

■ 14.9966, 27.8190,
13.3655

■ 48.4786, 75.7108,
46.9725

■ 8.9033, 18.1893,
7.5471

■ 65.9245, 99.2902,
64.9537

■ 4.7348, 11.0860,
3.7229

■ 87.1220, 127.3180,
87.0221

■ 2.1256, 6.1247,
1.4746

■ 112.4363,
160.1786, 113.5960

■ 0.7031, 2.9210,
0.1989

■ 142.2329,
198.2564, 145.0940

■ 0.0000, 1.0907,
0.0000

176.8772,

■ 0.0000, 0.0000,

241.9358, 181.9348

0.0000

216.7343,
291.6012, 224.5367

■ 23.3800, 40.3596,
21.5969

■ 23.3800, 40.3596,
21.5969

■ 22.0870, 39.7601,
18.5602

■ 25.1499, 41.1986,
25.0492

■ 21.2085, 39.3647,
15.9192

■ 27.4427, 42.2970,
28.9301

■ 20.8814, 39.2206,
14.7981

■ 30.3018, 43.6782,
33.2553

■ 33.7651, 45.3613,
38.0388

■ 37.8672, 47.3639,
43.2941

■ 42.6399, 49.7023,
49.0339

■ 48.1129, 52.3913,
55.2705

■ 54.3138, 55.4451,
62.0158

■ 61.2691, 58.8771,
69.2812

Harmonies

Analogous

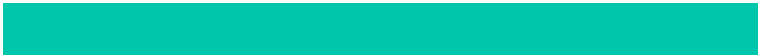
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.9460, 40.3596, 10.8432



23.3800, 40.3596, 21.5969



21.6237, 40.3596, 44.9526

Triad

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



23.3800, 40.3596, 21.5969



38.7109, 40.3596, 129.8113



58.2069, 40.3596, 20.5358

Complementary

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



23.3800, 40.3596, 21.5969



27.4032, 15.2229, 22.9687

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.



62.0606, 40.3596, 42.9520



23.3800, 40.3596, 21.5969



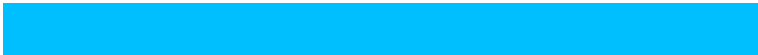
49.6228, 40.3596, 113.6878

Square

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



23.3800, 40.3596, 21.5969



29.4503, 40.3596, 115.5832



58.6693, 40.3596, 78.0143



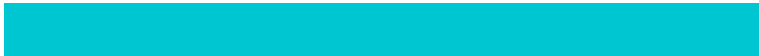
48.9080, 40.3596, 10.4544

Rectangle

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



23.3800, 40.3596, 21.5969



22.5416, 40.3596, 67.8600



58.6693, 40.3596, 78.0143



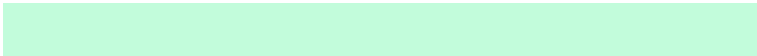
60.2503, 40.3596, 26.4340

Sweetspot

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



23.3810, 40.3612, 21.5978



70.1436, 86.5620, 80.3336



29.5259, 43.7989, 9.6947



14.7124, 18.6391, 16.7886



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.



23.3810, 40.3612, 21.5978



38.9518, 71.5507, 30.5896



28.9383, 42.5841, 50.8619



10.1208, 11.3294, 11.6396



13.7679, 25.8012, 9.9369



0.6294, 1.1286, 0.6110

Inverse Universe

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



27.4032, 15.2229, 22.9687



46.5281, 23.8322, 32.8999



24.1262, 13.9121, 5.7125



10.3077, 10.1717, 11.7108



16.5301, 8.3018, 10.7036



0.7482, 0.3723, 0.6416

Previews

White Background



This preview shows how the XYZ color 23.3800, 40.3596, 21.5969 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 23.3800, 40.3596, 21.5969 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 23.3800, 40.3596, 21.5969

Background



This preview shows how black text looks on a background with the XYZ color 23.3800, 40.3596, 21.5969.



This preview shows how white text looks on a background with the XYZ color 23.3800, 40.3596,

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

23.3800, 40.3596, 21.5969

Protanopia

36.5445, 39.6298, 18.0351

Deuteranopia

40.3375, 39.5901, 22.9684



Tritanopia

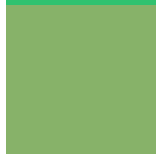
31.1054, 40.2893, 60.1700

Trichromacy



Original Color

23.3800, 40.3596, 21.5969



Protanomaly

28.4619, 38.0116, 19.2015



Deuteranomaly

29.9655, 37.5528, 22.1921



Tritanomaly

27.5568, 40.0961, 42.8461

Monochromacy



Original Color

23.3800, 40.3596, 21.5969



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

22.6635, 29.8791, 25.6918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3800, 40.3596, 21.5969 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(48, 194, 111)` looks like.

```
.text, #text, p{  
    color:rgb(48, 194, 111)  
}
```

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(48, 194, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 194, 111) }
```

Border

The CSS property to change the border of an element to XYZ 23.3800, 40.3596, 21.5969 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(48, 194, 111) }
```


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

```
.border{ border-color:rgb(48, 194, 111) }
```

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

Here you see how a box with a 4 pixel rgb(48, 194, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 194, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 194, 111);  
box-shadow:4px 4px 4px 4px rgb(48, 194,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3800, 40.3596, 21.5969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 194, 111) }
```

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

```
.background{ background-color: rgb(48, 194,  
111) }
```

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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