

Converting Colors

XYZ(23.4441, 40.8171, 17.4693)

Have a look what the booklet for
XYZ(23.4441, 40.8171, 17.4693)
contains.

XYZ(23.4441, 40.8171, 17.4693)	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(23.4441, 40.8171,
17.4693)**

Conversions

Conversions Part 1

Format	Color
Hex	3CC35F
RGB	60, 195, 95
RGB Percent	24%, 76%, 37%
CMY	0.7647, 0.2353, 0.6274
CMYK	0.69, 0.00, 0.51, 0.24
HSL	136°, 53%, 50%
HSV	136°, 69%, 76%
XYZ	23.4441, 40.8171, 17.4693
YIQ	143.2350, -48.3600, -59.7200

Conversions

Conversions Part 2

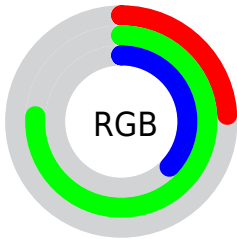
Format	Color
RYB	60, 167, 195
Decimal	3982175
CIELab	70.05, -57.32, 39.68
CIELCh	70, 69.719, 145.308
Yxy	40.8171, 0.2868, 0.4994
Android (android.graphics.Color)	4282172255 (0xFF3CC35F)
YUV	143.2350, -23.7799, -72.9971
Hunter-Lab	63.8883, -46.3030, 28.5098

Details

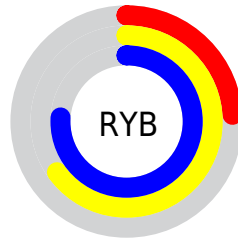
The XYZ color **23.4441, 40.8171, 17.4693** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **30.4678, 17.3725, 35.0058**, and the grayscale version is **26.3091, 27.6792, 30.1427**.

A 20% lighter version of the original color is **48.7039, 76.6422, 39.8302**, and **9.8517, 18.9456, 5.6203** is the 20% darker color. If you saturate the color by 10%, you get **21.8792, 40.0805, 14.2811**, and if you desaturate by 10%, it is **25.5667, 41.8294, 21.3209**.

Distribution



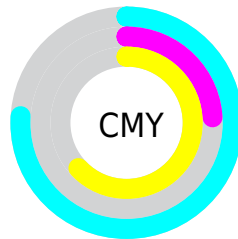
- Red (24%)
- Green (76%)
- Blue (37%)



- Red (24%)
- Yellow (65%)
- Blue (76%)



- Cyan (69%)
- Magenta (0%)
- Yellow (51%)
- Black (24%)



- Cyan (76%)
- Magenta (24%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4441, 40.8171, 17.4693 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 23.4441, 40.8171, 17.4693 by changing the saturation by 10% instead.

■ 23.4441, 40.8171,
17.4693

■ 23.4441, 40.8171,
17.4693

262.4908,
349.5556, 249.9973

■ 15.0443, 28.1762,
10.4042

■ 48.5828, 76.4062,
39.9326

■ 8.9370, 18.4585,
5.5587

■ 66.0524, 100.1231,
56.1678

■ 4.7569, 11.2797,
2.5142

■ 87.2760, 128.3009,
76.2968

■ 2.1386, 6.2553,
0.8477

■ 112.6189,
161.3239, 100.7381

■ 0.7101, 3.0009,
0.0000

■ 142.4465,
199.5764, 129.9103

■ 0.0000, 1.1322,
0.0000

177.1241,

■ 0.0000, 0.0053,

243.4430, 164.2318

0.0000

217.0171,
293.3079, 204.1214

■ 0.0000, 0.0000,
0.0000

■ 23.4441, 40.8171,
17.4693

■ 23.4441, 40.8171,
17.4693

■ 21.8792, 40.0805,
14.2811

■ 25.5667, 41.8294,
21.3209

■ 20.8119, 39.5859,
11.7158

■ 28.2929, 43.1370,
25.8680

■ 20.1471, 39.2865,
9.7311

■ 31.6673, 44.7633,
31.1437

■ 20.1038, 39.2670,
9.6009

■ 35.7292, 46.7279,
37.1784

■ 40.5147, 49.0489,
44.0005

■ 46.0574, 51.7430,
51.6372

■ 52.3888, 54.8259,
60.1141

■ 59.5385, 58.3123,
69.4559

■ 67.5345, 62.2163,
79.6861

Harmonies

Analogous

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



30.1745, 40.8171, 8.4564



23.4441, 40.8171, 17.4693



20.8209, 40.8171, 39.5121

Triad

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



23.4441, 40.8171, 17.4693



37.0332, 40.8171, 140.7023



62.1247, 40.8171, 22.6789

Complementary

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



23.4441, 40.8171, 17.4693



30.4678, 17.3725, 35.0058

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.



64.9398, 40.8171, 49.7677



23.4441, 40.8171, 17.4693



48.9194, 40.8171, 128.5567

Square

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



23.4441, 40.8171, 17.4693



27.6281, 40.8171, 118.4297



59.7072, 40.8171, 90.4934



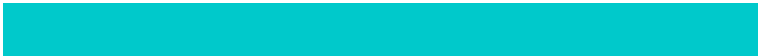
52.6272, 40.8171, 10.2677

Rectangle

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



23.4441, 40.8171, 17.4693



21.2886, 40.8171, 63.1216



59.7072, 40.8171, 90.4934



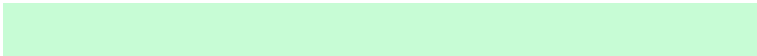
63.9539, 40.8171, 29.8687

Sweetspot

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



23.4451, 40.8188, 17.4702



70.6540, 86.9188, 76.1241



35.0805, 46.9614, 11.4906



14.9317, 18.7720, 15.9036



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.



23.4451, 40.8188, 17.4702



38.1136, 71.2832, 23.1187



27.8348, 42.5746, 40.5859



10.0492, 11.3007, 11.2626



13.0955, 25.5323, 6.3959



0.5951, 1.1149, 0.4306

Inverse Universe

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



30.4678, 17.3725, 35.0058



51.3763, 26.5842, 55.9249



26.1317, 15.6381, 12.1724



10.3822, 10.2015, 12.1030



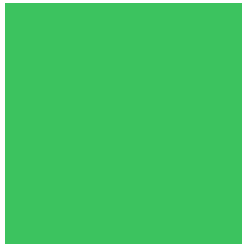
17.9572, 8.8726, 18.2184



0.8027, 0.3941, 0.9285

Previews

White Background



This preview shows how the XYZ color 23.4441, 40.8171, 17.4693 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 23.4441, 40.8171, 17.4693 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 23.4441, 40.8171, 17.4693

Background



This preview shows how black text looks on a background with the XYZ color 23.4441, 40.8171, 17.4693.



This preview shows how white text looks on a background with the XYZ color 23.4441, 40.8171,

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

23.4441, 40.8171, 17.4693

Protanopia

36.7935, 40.1127, 14.6074

Deuteranopia

40.8221, 39.9417, 18.3899



Tritanopia

31.9635, 40.7317, 60.2102

Trichromacy



Original Color

23.4441, 40.8171, 17.4693



Protanomaly

28.9078, 38.6242, 15.3828



Deuteranomaly

30.5732, 37.9645, 17.7731



Tritanomaly

27.8096, 40.2890, 40.0290

Monochromacy



Original Color

23.4441, 40.8171, 17.4693



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

23.4963, 30.8577, 24.4564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4441, 40.8171, 17.4693 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(60, 195, 95)` looks like.

```
.text, #text, p{  
    color:rgb(60, 195, 95)  
}
```

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(60, 195, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 195, 95) }
```

Border

The CSS property to change the border of an element to XYZ 23.4441, 40.8171, 17.4693 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(60, 195, 95) }
```


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

```
.border{ border-color:rgb(60, 195, 95) }
```

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

Here you see how a box with a 4 pixel rgb(60, 195, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 195, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 195, 95);  
box-shadow:4px 4px 4px 4px rgb(60, 195,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4441, 40.8171, 17.4693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 195, 95) }
```

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

```
.background{ background-color: rgb(60, 195,  
95) }
```

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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