

Converting Colors

XYZ(23.3421, 40.9586, 23.9078)

Have a look what the booklet for
XYZ(23.3421, 40.9586, 23.9078)
contains.

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Color

**XYZ(23.3192, 40.9473,
23.8141)**

Conversions

Conversions Part 1

Format	Color
Hex	15C476
RGB	21, 196, 118
RGB Percent	8%, 77%, 46%
CMY	0.9176, 0.2314, 0.5372
CMYK	0.89, 0.00, 0.40, 0.23
HSL	153°, 81%, 43%
HSV	153°, 89%, 77%
XYZ	23.3192, 40.9473, 23.8141
YIQ	134.7830, -79.2620, -61.3580

Conversions

Conversions Part 2

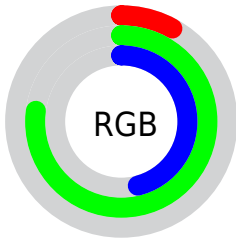
Format	Color
RYB	21, 134, 196
Decimal	1426550
CIELab	70.14, -58.28, 28.02
CIELCh	70, 64.660, 154.325
Yxy	40.9473, 0.2647, 0.4649
Android (android.graphics.Color)	4279616630 (0xFF15C476)
YUV	134.7830, -8.2740, -99.7877
Hunter-Lab	63.9901, -46.9338, 22.7281

Details

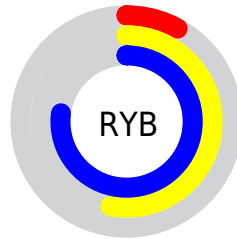
The XYZ color **23.3192, 40.9473, 23.8141** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **25.2867, 13.1739, 13.0167**, and the grayscale version is **23.0008, 24.1987, 26.3524**.

A 20% lighter version of the original color is **48.5014, 76.7670, 50.7893**, and **10.5991, 19.4794, 8.8315** is the 20% darker color. If you saturate the color by 10%, you get **22.5329, 40.6003, 21.1921**, and if you desaturate by 10%, it is **24.4533, 41.4703, 26.7052**.

Distribution



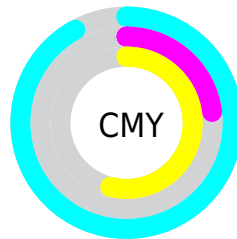
- Red (8%)
- Green (77%)
- Blue (46%)



- Red (8%)
- Yellow (53%)
- Blue (77%)



- Cyan (89%)
- Magenta (0%)
- Yellow (40%)
- Black (23%)





- Cyan (92%)
- Magenta (23%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3192, 40.9473, 23.8141 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 23.3192, 40.9473, 23.8141 by changing the saturation by 10% instead.


 23.3192, 40.9473,
23.8141


 23.3192, 40.9473,
23.8141


261.8651,
350.1003, 285.1355


 14.9514, 28.2779,
14.9849


 48.3797, 76.6039,
50.6667


 8.8714, 18.5353,
8.6623


 65.8031, 100.3599,
69.5271


 4.7138, 11.3350,
4.4278


 86.9758, 128.5802,
92.5683

 2.1134, 6.2926,
1.8628

 112.2630,
161.6492, 120.2089

 0.6965, 3.0238,
0.4689

 142.0302,
199.9513, 152.8674

 0.0000, 1.1442,
0.0000

176.6427,

 0.0000, 0.0154,

243.8710, 190.9623

0.0000

216.4659,
293.7925, 234.9121

■ 0.0000, 0.0000,
0.0000

■ 23.3192, 40.9473,
23.8141

■ 23.3192, 40.9473,
23.8141

■ 22.5329, 40.6003,
21.1921

■ 24.4533, 41.4703,
26.7052

■ 22.4816, 40.5777,
21.0135

■ 26.0235, 42.2112,
29.8735

■ 28.0831, 43.1986,
33.3285

■ 30.6766, 44.4553,
37.0785

■ 33.8433, 46.0014,
41.1311

■ 37.6187, 47.8550,
45.4937

■ 42.0352, 50.0328,
50.1733

■ 47.1230, 52.5502,
55.1767

■ 52.9101, 55.4215,
60.5105

Harmonies

Analogous

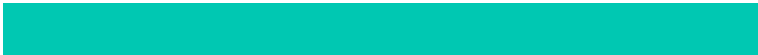
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.5425, 40.9473, 11.7118



23.3192, 40.9473, 23.8141



21.9608, 40.9473, 49.1219

Triad

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



23.3192, 40.9473, 23.8141



40.4728, 40.9473, 131.5099



58.2426, 40.9473, 19.1495

Complementary

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



23.3192, 40.9473, 23.8141



25.2867, 13.1739, 13.0167

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.



62.9195, 40.9473, 40.3357



23.3192, 40.9473, 23.8141



51.5477, 40.9473, 112.0415

Square

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



23.3192, 40.9473, 23.8141



30.7574, 40.9473, 120.3564



60.2719, 40.9473, 74.8740



48.4105, 40.9473, 10.0013

Rectangle

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



23.3192, 40.9473, 23.8141



23.1756, 40.9473, 73.1306



60.2719, 40.9473, 74.8740



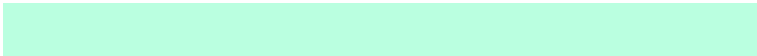
60.5433, 40.9473, 24.6422

Sweetspot

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



23.3203, 40.9489, 23.8150



69.5430, 87.3766, 83.9427



25.1047, 42.2310, 7.5381



14.3339, 18.4310, 17.3589



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.



23.3203, 40.9489, 23.8150



40.5929, 73.4532, 37.3699



28.0978, 39.7935, 58.4266



10.1728, 11.3502, 11.9135



14.4888, 26.0896, 13.7328



0.6603, 1.1410, 0.7739

Inverse Universe

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



25.2867, 13.1739, 13.0167



44.2580, 22.4672, 17.8228



23.3594, 12.7067, 1.9313



10.2556, 10.1508, 11.4364



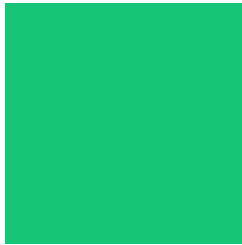
15.7844, 8.0035, 6.7768



0.7166, 0.3597, 0.4753

Previews

White Background



This preview shows how the XYZ color 23.3192, 40.9473, 23.8141 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 23.3192, 40.9473, 23.8141 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 23.3192, 40.9473, 23.8141

Background



This preview shows how black text looks on a background with the XYZ color 23.3192, 40.9473, 23.8141.

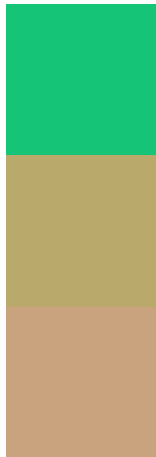


This preview shows how white text looks on a background with the XYZ color 23.3192, 40.9473,

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

23.3192, 40.9473, 23.8141

Protanopia

37.0891, 40.1464, 19.9816

Deuteranopia

40.9505, 40.1183, 25.3239



Tritanopia

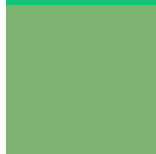
30.8492, 40.7513, 61.4982

Trichromacy



Original Color

23.3192, 40.9473, 23.8141



Protanomaly

27.5022, 37.7700, 21.1701



Deuteranomaly

29.0585, 37.3242, 24.4116



Tritanomaly

27.2855, 40.5515, 44.9172

Monochromacy



Original Color

23.3192, 40.9473, 23.8141



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

20.6355, 28.0786, 25.1010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3192, 40.9473, 23.8141 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(21, 196, 118)` looks like.

```
.text, #text, p{  
    color:rgb(21, 196, 118)  
}
```

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(21, 196, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 196, 118) }
```

Border

The CSS property to change the border of an element to XYZ 23.3192, 40.9473, 23.8141 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(21, 196, 118) }
```


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

```
.border{ border-color:rgb(21, 196, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 196, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 196, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 196, 118);  
box-shadow:4px 4px 4px 4px rgb(21, 196,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3192, 40.9473, 23.8141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 196, 118) }
```

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

```
.background{ background-color: rgb(21, 196,  
118) }
```

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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