

Converting Colors

XYZ(23.4629, 41.0407, 10.9314)

Have a look what the booklet for
XYZ(23.4629, 41.0407, 10.9314)
contains.

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Color

**XYZ(23.3913, 40.9342,
10.9432)**

Conversions

Conversions Part 1

Format	Color
Hex	4DC33C
RGB	77, 195, 60
RGB Percent	30%, 76%, 24%
CMY	0.6980, 0.2353, 0.7647
CMYK	0.61, 0.00, 0.69, 0.24
HSL	112°, 53%, 50%
HSV	112°, 69%, 76%
XYZ	23.3913, 40.9342, 10.9432
YIQ	144.3280, -26.9930, -67.0010

Conversions

Conversions Part 2

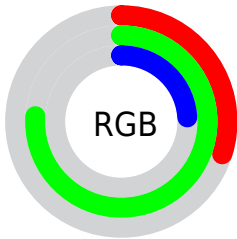
Format	Color
RYB	60, 195, 178
Decimal	5096252
CIELab	70.13, -57.91, 55.51
CIElCh	70, 80.223, 136.213
Yxy	40.9342, 0.3108, 0.5438
Android (android.graphics.Color)	4283286332 (0xFF4DC33C)
YUV	144.3280, -41.5737, -59.0467
Hunter-Lab	63.9798, -46.7044, 34.6448

Details

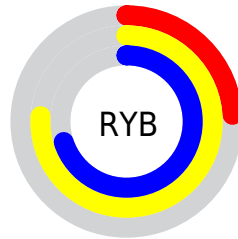
The XYZ color **23.3913, 40.9342, 10.9432** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **29.8286, 16.6383, 53.2713**, and the grayscale version is **26.8130, 28.2094, 30.7200**.

A 20% lighter version of the original color is **48.6438, 76.8687, 28.1929**, and **9.3781, 18.7562, 3.1260** is the 20% darker color. If you saturate the color by 10%, you get **21.7683, 40.1477, 8.6547**, and if you desaturate by 10%, it is **25.5665, 41.9858, 14.2504**.

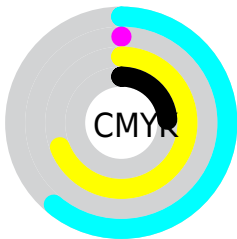
Distribution



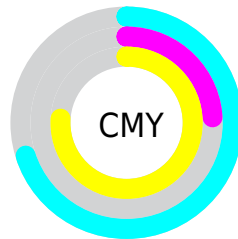
- Red (30%)
- Green (76%)
- Blue (24%)



- Red (24%)
- Yellow (76%)
- Blue (70%)



- Cyan (61%)
- Magenta (0%)
- Yellow (69%)
- Black (24%)





- Cyan (70%)
- Magenta (24%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3913, 40.9342, 10.9432 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 23.3913, 40.9342, 10.9432 by changing the saturation by 10% instead.


 23.3913, 40.9342,
10.9432


 23.3913, 40.9342,
10.9432


262.2264,
350.0455, 208.0009


 15.0050, 28.2677,
5.9150


 48.4970, 76.5840,
28.1901


 8.9092, 18.5275,
2.7255


 65.9471, 100.3361,
41.2459


 4.7387, 11.3294,
0.9562


 87.1491, 128.5521,
57.8146

 2.1279, 6.2888,
0.0000

 112.4685,
161.6165, 78.3148

 0.7043, 3.0215,
0.0000

 142.2706,
199.9136, 103.1649

 0.0000, 1.1430,
0.0000

176.9207,

 0.0000, 0.0144,

243.8279, 132.7836

0.0000

216.7842,
293.7438, 167.5895

■ 0.0000, 0.0000,
0.0000

■ 23.3913, 40.9342,
10.9432

■ 23.3913, 40.9342,
10.9432

■ 21.7683, 40.1477,
8.6547

■ 25.5665, 41.9858,
14.2504

■ 20.6438, 39.5976,
7.2647

■ 28.3353, 43.3182,
18.6735

■ 19.9467, 39.2529,
6.5685

■ 31.7387, 44.9517,
24.3012

■ 19.9058, 39.2328,
6.5236

■ 35.8129, 46.9032,
31.2127

■ 40.5915, 49.1887,
39.4804

■ 46.1058, 51.8226,
49.1712

■ 52.3852, 54.8189,
60.3477

■ 59.4575, 58.1905,
73.0689

■ 67.3491, 61.9500,
87.3903

Harmonies

Analogous

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



32.2808, 40.9342, 4.9682



23.3913, 40.9342, 10.9432



19.1925, 40.9342, 29.4775

Triad

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



23.3913, 40.9342, 10.9432



33.2003, 40.9342, 157.9656



68.4983, 40.9342, 27.2910

Complementary

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



23.3913, 40.9342, 10.9432



29.8286, 16.6383, 53.2713

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.



68.9022, 40.9342, 64.0955



23.3913, 40.9342, 10.9432



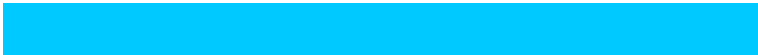
46.3824, 40.9342, 156.1324

Square

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



23.3913, 40.9342, 10.9432



23.9334, 40.9342, 119.6981



60.1031, 40.9342, 115.5675



59.0994, 40.9342, 10.1168

Rectangle

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



23.3913, 40.9342, 10.9432



18.8336, 40.9342, 52.8542



60.1031, 40.9342, 115.5675



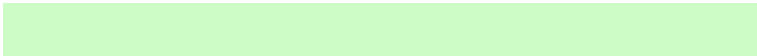
69.7524, 40.9342, 37.2008

Sweetspot

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



23.3923, 40.9359, 10.9441



70.7955, 87.1851, 67.3954



39.0452, 43.3746, 10.5898



14.9638, 18.8346, 13.8228



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.



23.3923, 40.9359, 10.9441



37.8617, 71.3537, 14.0546



24.1672, 41.1076, 21.2715



10.0597, 11.3182, 10.7163



12.9769, 25.5187, 4.2416



0.6003, 1.1230, 0.1851

Inverse Universe

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



29.8286, 16.6383, 53.2713



49.8889, 24.9586, 94.6578



29.2725, 16.8947, 28.7104



10.3685, 10.1811, 12.7035



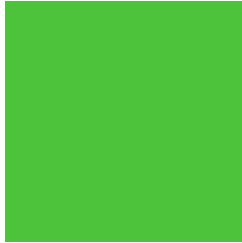
17.2890, 8.1733, 34.2230



0.7826, 0.3715, 1.4803

Previews

White Background



This preview shows how the XYZ color 23.3913, 40.9342, 10.9432 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 23.3913, 40.9342, 10.9432 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 23.3913, 40.9342, 10.9432

Background



This preview shows how black text looks on a background with the XYZ color 23.3913, 40.9342, 10.9432.



This preview shows how white text looks on a background with the XYZ color 23.3913, 40.9342,

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

23.3913, 40.9342, 10.9432

Protanopia

36.5032, 40.0829, 9.1810

Deuteranopia

40.9540, 40.1574, 11.7235



Tritanopia

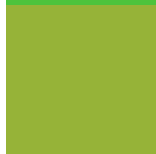
32.8694, 40.6129, 58.9300

Trichromacy



Original Color

23.3913, 40.9342, 10.9432



Protanomaly

29.4116, 39.0098, 9.7209



Deuteranomaly

31.0797, 38.3708, 11.2371



Tritanomaly

27.8607, 40.1340, 33.8820

Monochromacy



Original Color

23.3913, 40.9342, 10.9432



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

23.8236, 31.3797, 20.4240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3913, 40.9342, 10.9432 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(77, 195, 60)` looks like.

```
.text, #text, p{  
    color:rgb(77, 195, 60)  
}
```

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(77, 195, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 195, 60) }
```

Border

The CSS property to change the border of an element to XYZ 23.3913, 40.9342, 10.9432 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(77, 195, 60) }
```


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

```
.border{ border-color:rgb(77, 195, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 195, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 195, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 195, 60);  
box-shadow:4px 4px 4px 4px rgb(77, 195,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3913, 40.9342, 10.9432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 195, 60) }
```

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

```
.background{ background-color: rgb(77, 195,  
60) }
```

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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