

Converting Colors

XYZ(23.3170, 42.2305, 10.9848)

Have a look what the booklet for
XYZ(23.3170, 42.2305, 10.9848)
contains.

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Color

**XYZ(23.3015, 42.2423,
10.9285)**

Conversions

Conversions Part 1

Format	Color
Hex	40C73A
RGB	64, 199, 58
RGB Percent	25%, 78%, 23%
CMY	0.7490, 0.2196, 0.7725
CMYK	0.68, 0.00, 0.71, 0.22
HSL	117°, 56%, 50%
HSV	117°, 71%, 78%
XYZ	23.3015, 42.2423, 10.9285
YIQ	142.5610, -35.1990, -72.4710

Conversions

Conversions Part 2

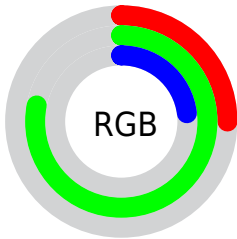
Format	Color
RYB	58, 199, 193
Decimal	4245306
CIELab	71.04, -62.23, 57.12
CIELCh	71, 84.469, 137.452
Yxy	42.2423, 0.3047, 0.5524
Android (android.graphics.Color)	4282435386 (0xFF40C73A)
YUV	142.5610, -41.6886, -68.8980
Hunter-Lab	64.9941, -49.7443, 35.5265

Details

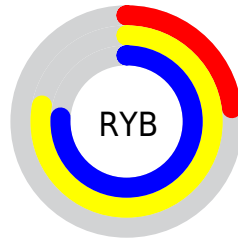
The XYZ color **23.3015, 42.2423, 10.9285** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **33.8170, 18.4889, 55.8214**, and the grayscale version is **26.1052, 27.4647, 29.9091**.

A 20% lighter version of the original color is **47.7939, 77.3794, 28.0395**, and **9.9733, 19.9465, 3.3244** is the 20% darker color. If you saturate the color by 10%, you get **21.8556, 41.5458, 8.7098**, and if you desaturate by 10%, it is **25.3681, 43.2387, 14.1989**.

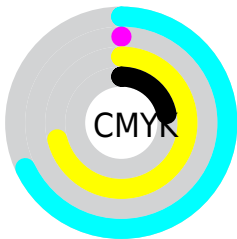
Distribution



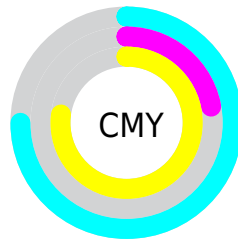
- Red (25%)
- Green (78%)
- Blue (23%)



- Red (23%)
- Yellow (78%)
- Blue (76%)



- Cyan (68%)
- Magenta (0%)
- Yellow (71%)
- Black (22%)





- Cyan (75%)
- Magenta (22%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3015, 42.2423, 10.9285 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 23.3015, 42.2423, 10.9285 by changing the saturation by 10% instead.


 23.3015, 42.2423,
10.9285


 23.3015, 42.2423,
10.9285


261.7763,
355.4864, 207.8962


 14.9382, 29.2911,
5.9052


 48.3509, 78.5662,
28.1625


 8.8621, 19.3011,
2.7197


 65.7678, 102.7077,
41.2103


 4.7077, 11.8881,
0.9533


 86.9332, 131.3480,
57.7700

 2.1098, 6.6675,
0.0000

 112.2126,
164.8716, 78.2602

 0.6945, 3.2550,
0.0000

 141.9712,
203.6628, 103.0993

 0.0000, 1.2663,
0.0000

176.5745,

 0.0000, 0.1149,

248.1061, 132.7060

0.0000

216.3877,
298.5858, 167.4988

■ 0.0000, 0.0000,
0.0000

■ 23.3015, 42.2423,
10.9285

■ 23.3015, 42.2423,
10.9285

■ 21.8556, 41.5458,
8.7098

■ 25.3681, 43.2387,
14.1989

■ 20.9584, 41.1111,
7.4117

■ 28.1116, 44.5578,
18.6262

■ 20.5302, 40.9031,
6.8130

■ 31.5849, 46.2263,
24.3061

■ 35.8352, 48.2665,
31.3234

■ 40.9054, 50.6989,
39.7557

■ 46.8357, 53.5427,
49.6745

■ 53.6632, 56.8155,
61.1466

■ 61.4231, 60.5343,
74.2347

■ 70.1486, 64.7147,
88.9979

Harmonies

Analogous

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



32.5536, 42.2423, 4.5659



23.3015, 42.2423, 10.9285



19.0698, 42.2423, 31.0996

Triad

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



23.3015, 42.2423, 10.9285



34.5414, 42.2423, 171.0922



71.9763, 42.2423, 26.4125

Complementary

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



23.3015, 42.2423, 10.9285



33.8170, 18.4889, 55.8214

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.



72.8661, 42.2423, 65.0171



23.3015, 42.2423, 10.9285



48.8448, 42.2423, 166.9966

Square

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



23.3015, 42.2423, 10.9285



24.4617, 42.2423, 130.2215



63.6266, 42.2423, 121.0427



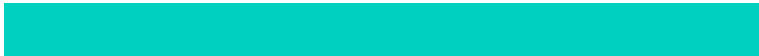
61.4226, 42.2423, 9.2233

Rectangle

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



23.3015, 42.2423, 10.9285



18.8160, 42.2423, 56.8207



63.6266, 42.2423, 121.0427



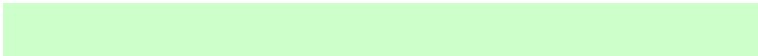
73.4909, 42.2423, 36.6393

Sweetspot

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



23.3025, 42.2441, 10.9294



71.1827, 88.5571, 68.8778



43.1575, 50.1271, 11.4046



14.6759, 18.6862, 13.8093



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.



23.3025, 42.2441, 10.9294



37.3078, 72.2770, 13.8395



25.6486, 43.1399, 25.2107



10.5385, 11.9090, 11.3060



13.2196, 26.3102, 4.3816



0.6408, 1.2535, 0.2082

Inverse Universe

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



33.8170, 18.4889, 55.8214



56.6814, 28.1760, 97.0588



29.4798, 16.9342, 24.8417



11.0368, 10.7928, 13.4190



20.3896, 9.7455, 35.5508



0.9796, 0.4687, 1.6840

Previews

White Background



This preview shows how the XYZ color 23.3015, 42.2423, 10.9285 looks on a white background.

Color Contrast Check

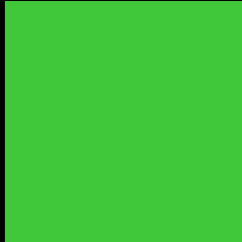
Large Text (above 18pt) WCAG AA × Fail

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 23.3015, 42.2423, 10.9285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

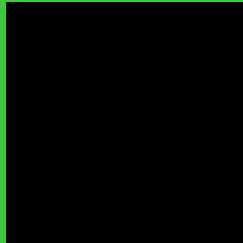
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.3015, 42.2423, 10.9285

Background



This preview shows how black text looks on a background with the XYZ color 23.3015, 42.2423, 10.9285.



This preview shows how white text looks on a background with the XYZ color 23.3015, 42.2423,

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

23.3015, 42.2423, 10.9285

Protanopia

37.5334, 41.4636, 9.1570

Deuteranopia

42.1443, 41.3020, 11.7121



Tritanopia

33.3571, 42.0442, 61.6156

Trichromacy



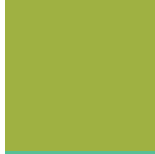
Original Color

23.3015, 42.2423, 10.9285



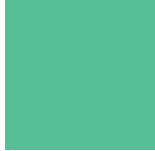
Protanomaly

29.2479, 39.8332, 9.6371



Deuteranomaly

31.0036, 39.2086, 11.0882



Tritanomaly

27.9861, 41.4578, 34.9609

Monochromacy



Original Color

23.3015, 42.2423, 10.9285



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

22.9613, 30.9416, 20.0914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3015, 42.2423, 10.9285 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(64, 199, 58)` looks like.

```
.text, #text, p{  
    color:rgb(64, 199, 58)  
}
```

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(64, 199, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 199, 58) }
```

Border

The CSS property to change the border of an element to XYZ 23.3015, 42.2423, 10.9285 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(64, 199, 58) }
```


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

```
.border{ border-color:rgb(64, 199, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 199, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 199, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 199, 58);  
box-shadow:4px 4px 4px 4px rgb(64, 199,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3015, 42.2423, 10.9285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 199, 58) }
```

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

```
.background{ background-color: rgb(64, 199,  
58) }
```

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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