

Converting Colors

XYZ(23.4861, 40.3076, 17.1391)

Have a look what the booklet for
XYZ(23.4861, 40.3076, 17.1391)
contains.

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Color

**XYZ(23.4051, 40.1414,
17.1042)**

Conversions

Conversions Part 1

Format	Color
Hex	43C15E
RGB	67, 193, 94
RGB Percent	26%, 76%, 37%
CMY	0.7373, 0.2431, 0.6314
CMYK	0.65, 0.00, 0.51, 0.24
HSL	133°, 50%, 51%
HSV	133°, 65%, 76%
XYZ	23.4051, 40.1414, 17.1042
YIQ	144.0400, -43.3170, -57.5010

Conversions

Conversions Part 2

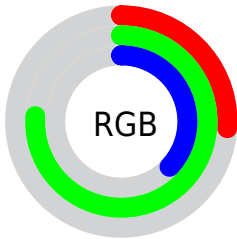
Format	Color
RYB	67, 171, 193
Decimal	4440414
CIELab	69.57, -55.44, 39.62
CIELCh	70, 68.143, 144.448
Yxy	40.1414, 0.2902, 0.4977
Android (android.graphics.Color)	4282630494 (0xFF43C15E)
YUV	144.0400, -24.6697, -67.5641
Hunter-Lab	63.3572, -44.9346, 28.3439

Details

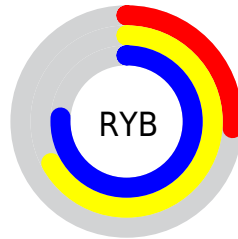
The XYZ color **23.4051, 40.1414, 17.1042** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **30.8836, 18.1056, 37.9443**, and the grayscale version is **26.6350, 28.0221, 30.5161**.

A 20% lighter version of the original color is **48.2760, 75.0357, 39.1331**, and **9.5431, 18.3588, 5.4235** is the 20% darker color. If you saturate the color by 10%, you get **21.6810, 39.3248, 13.8141**, and if you desaturate by 10%, it is **25.7057, 41.2420, 21.1209**.

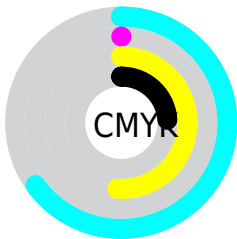
Distribution



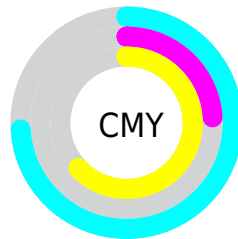
- Red (26%)
- Green (76%)
- Blue (37%)



- Red (26%)
- Yellow (67%)
- Blue (76%)



- Cyan (65%)
- Magenta (0%)
- Yellow (51%)
- Black (24%)





- Cyan (74%)
- Magenta (24%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.4051, 40.1414, 17.1042 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 23.4051, 40.1414, 17.1042 by changing the saturation by 10% instead.


 23.4051, 40.1414,
17.1042


 23.4051, 40.1414,
17.1042


262.2956,
346.7192, 247.8364


 15.0153, 27.6488,
10.1461


 48.5194, 75.3788,
39.2979


 8.9165, 18.0611,
5.3890


 65.9746, 98.8924,
55.3706


 4.7434, 10.9939,
2.4146


 87.1823, 126.8484,
75.3186

 2.1307, 6.0627,
0.7944

 112.5078,
159.6313, 99.5604

 0.7058, 2.8832,
0.0000

 142.3166,
197.6254, 128.5145

 0.0000, 1.0711,
0.0000

176.9739,

 0.0000, 0.0000,

241.2152, 162.5995

0.0000

216.8451,
290.7850, 202.2340

■ 23.4051, 40.1414,
17.1042

■ 23.4051, 40.1414,
17.1042

■ 21.6810, 39.3248,
13.8141

■ 25.7057, 41.2420,
21.1209

■ 20.4768, 38.7605,
11.2043

■ 28.6265, 42.6450,
25.9015

■ 19.7288, 38.4179,
9.2274

■ 32.2105, 44.3728,
31.4837

■ 19.4773, 38.3041,
8.4978

■ 36.4957, 46.4442,
37.9022

■ 41.5174, 48.8769,
45.1894

■ 47.3083, 51.6870,
53.3762

■ 53.8993, 54.8899,
62.4918

■ 61.3194, 58.4998,
72.5642

■ 69.5964, 62.5306,
83.6201

Harmonies

Analogous

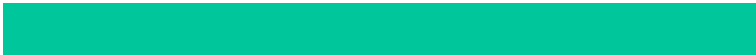
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.0534, 40.1414, 8.5074



23.4051, 40.1414, 17.1042



20.7390, 40.1414, 38.1061

Triad

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



23.4051, 40.1414, 17.1042



36.1437, 40.1414, 135.9415



60.8227, 40.1414, 23.1284

Complementary

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



23.4051, 40.1414, 17.1042



30.8836, 18.1056, 37.9443

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.



63.3079, 40.1414, 49.8319



23.4051, 40.1414, 17.1042



47.5914, 40.1414, 125.2684

Square

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



23.4051, 40.1414, 17.1042



27.1313, 40.1414, 113.8146



58.0734, 40.1414, 89.2231



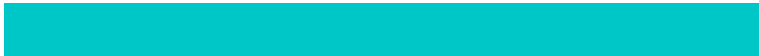
51.8166, 40.1414, 10.6309

Rectangle

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



23.4051, 40.1414, 17.1042



21.1207, 40.1414, 60.6260



58.0734, 40.1414, 89.2231



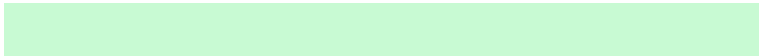
62.5129, 40.1414, 30.2711

Sweetspot

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



23.4061, 40.1431, 17.1051



69.6642, 85.2621, 74.1709



36.1905, 46.8500, 12.4459



14.4107, 18.0327, 15.1330



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.4061, 40.1431, 17.1051



37.8749, 69.9791, 22.7590



27.3190, 41.7082, 37.7104



10.0308, 11.2934, 11.1656



12.9787, 25.4855, 5.7810



0.5869, 1.1116, 0.3876

Inverse Universe

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



30.8836, 18.1056, 37.9443



52.1547, 27.5962, 62.3357



26.5401, 16.3682, 15.0719



10.4019, 10.2094, 12.2068



18.4078, 9.0529, 20.5916



0.8190, 0.4006, 1.0141

Previews

White Background



This preview shows how the XYZ color 23.4051, 40.1414, 17.1042 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 23.4051, 40.1414, 17.1042 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 23.4051, 40.1414, 17.1042

Background



This preview shows how black text looks on a background with the XYZ color 23.4051, 40.1414, 17.1042.



This preview shows how white text looks on a background with the XYZ color 23.4051, 40.1414,

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

23.4051, 40.1414, 17.1042

Protanopia

36.1174, 39.4869, 14.5222

Deuteranopia

40.0450, 39.2864, 18.0428



Tritanopia

31.7358, 40.0285, 58.8769

Trichromacy



Original Color

23.4051, 40.1414, 17.1042



Protanomaly

29.0513, 38.4017, 15.3323



Deuteranomaly

30.5221, 37.6580, 17.4644



Tritanomaly

27.7418, 39.6343, 39.4457

Monochromacy



Original Color

23.4051, 40.1414, 17.1042



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

23.8887, 31.0600, 24.4748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4051, 40.1414, 17.1042 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(67, 193, 94)` looks like.

```
.text, #text, p{  
    color:rgb(67, 193, 94)  
}
```

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(67, 193, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 193, 94) }
```

Border

The CSS property to change the border of an element to XYZ 23.4051, 40.1414, 17.1042 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(67, 193, 94) }
```


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

```
.border{ border-color:rgb(67, 193, 94) }
```

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

Here you see how a box with a 4 pixel rgb(67, 193, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 193, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 193, 94);  
box-shadow:4px 4px 4px 4px rgb(67, 193,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4051, 40.1414, 17.1042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 193, 94) }
```

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

```
.background{ background-color: rgb(67, 193,  
94) }
```

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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