

Converting Colors

XYZ(35.4254, 56.8422, 15.4443)

Have a look what the booklet for
XYZ(35.4254, 56.8422, 15.4443)
contains.

XYZ(35.4923, 56.9345, 15.4222)	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(35.4923, 56.9345,
15.4222)**

Conversions

Conversions Part 1

Format	Color
Hex	7BDE49
RGB	123, 222, 73
RGB Percent	48%, 87%, 29%
CMY	0.5176, 0.1294, 0.7137
CMYK	0.45, 0.00, 0.67, 0.13
HSL	100°, 69%, 58%
HSV	100°, 67%, 87%
XYZ	35.4923, 56.9345, 15.4222
YIQ	175.4130, -11.1750, -67.3270

Conversions

Conversions Part 2

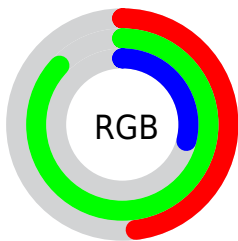
Format	Color
RYB	73, 222, 172
Decimal	8117833
CIELab	80.14, -54.35, 61.51
CIElCh	80, 82.084, 131.466
Yxy	56.9345, 0.3291, 0.5279
Android (android.graphics.Color)	4286307913 (0xFF7BDE49)
YUV	175.4130, -50.4896, -45.9662
Hunter-Lab	75.4550, -48.0838, 40.7002

Details

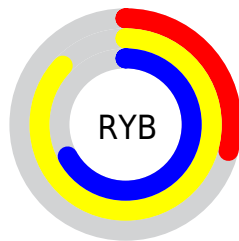
The XYZ color **35.4923, 56.9345, 15.4222** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **32.5835, 18.8116, 71.0239**, and the grayscale version is **41.2211, 43.3678, 47.2276**.

A 20% lighter version of the original color is **58.9477, 83.0236, 33.3404**, and **15.6228, 28.2966, 4.6384** is the 20% darker color. If you saturate the color by 10%, you get **32.9304, 55.6859, 12.1223**, and if you desaturate by 10%, it is **38.6376, 58.4569, 20.1224**.

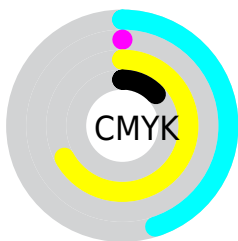
Distribution



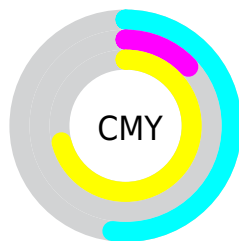
- Red (48%)
- Green (87%)
- Blue (29%)



- Red (29%)
- Yellow (87%)
- Blue (67%)



- Cyan (45%)
- Magenta (0%)
- Yellow (67%)
- Black (13%)



- Cyan (52%)
- Magenta (13%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4923, 56.9345, 15.4222 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 35.4923, 56.9345, 15.4222 by changing the saturation by 10% instead.

35.4923, 56.9345,
15.4222

35.4923, 56.9345,
15.4222

318.2061,
413.2038, 237.6358

24.2106, 40.9527,
8.9663

67.5767, 100.3696,
36.3449

15.6155, 28.2821,
4.6227

89.1102, 128.5917,
51.6488

9.3416, 18.5384,
1.9728

114.7917,
161.6626, 70.7391

5.0236, 11.3372,
0.5385

144.9865,
199.9667, 94.0343

2.2960, 6.2941,
0.0000

180.0599,
243.8886, 121.9531

0.7926, 3.0247,
0.0000

220.3775,

0.0000, 1.1447,

293.8124, 154.9139

0.0000

266.3044,
350.1227, 193.3353

■ 0.0000, 0.0158,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.4923, 56.9345,
15.4222

■ 35.4923, 56.9345,
15.4222

■ 32.9304, 55.6859,
12.1223

■ 38.6376, 58.4569,
20.1224

■ 30.9041, 54.6848,
10.0633

■ 42.4005, 60.2628,
26.3522


■ 29.3609, 53.9103,
9.0421


■ 46.8172, 62.3699,
34.2302


■ 28.9845, 53.7203,
8.8414


■ 51.9196, 64.7924,
43.8622

 57.7373, 67.5434,
55.3455

 64.2981, 70.6352,
68.7700

 71.6282, 74.0797,
84.2198

 79.7526, 77.8879,
101.7741

 85.4124, 80.7248,
105.6875

Harmonies

Analogous

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



47.9708, 56.9345, 8.4526



35.4923, 56.9345, 15.4222



28.9935, 56.9345, 37.0845

Triad

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



35.4923, 56.9345, 15.4222



44.5231, 56.9345, 196.7192



92.1424, 56.9345, 45.4284

Complementary

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



35.4923, 56.9345, 15.4222



32.5835, 18.8116, 71.0239

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.



90.6870, 56.9345, 96.1151



35.4923, 56.9345, 15.4222



60.7616, 56.9345, 203.1335

Square

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



35.4923, 56.9345, 15.4222



33.4179, 56.9345, 145.1545



78.3223, 56.9345, 159.7764



81.9642, 56.9345, 18.8209

Rectangle

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



35.4923, 56.9345, 15.4222



27.9140, 56.9345, 64.3777



78.3223, 56.9345, 159.7764



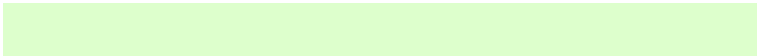
93.0454, 56.9345, 59.6660

Sweetspot

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



35.4936, 56.9369, 15.4235



76.5122, 91.2695, 70.7109



45.6758, 44.7064, 12.5260



15.8907, 19.3056, 14.1737



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.



35.4936, 56.9369, 15.4235



43.7410, 75.5716, 15.1266



30.9522, 54.4942, 19.7984



13.9600, 15.5595, 14.5743



17.3214, 31.9620, 5.2564



1.2936, 2.2633, 0.3687

Inverse Universe

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



32.5835, 18.8116, 71.0239



39.3009, 19.7717, 96.3527



42.8934, 24.4500, 56.8907



13.8249, 13.6933, 17.3021



15.1558, 6.9084, 41.5830



1.1445, 0.5273, 2.8867

Previews

White Background



This preview shows how the XYZ color 35.4923, 56.9345, 15.4222 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 35.4923, 56.9345, 15.4222 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 35.4923, 56.9345, 15.4222

Background



This preview shows how black text looks on a background with the XYZ color 35.4923, 56.9345, 15.4222.

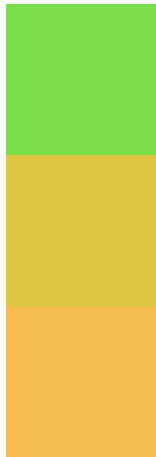


This preview shows how white text looks on a background with the XYZ color 35.4923, 56.9345,

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

35.4923, 56.9345, 15.4222

Protanopia

50.9962, 56.1537, 13.3052

Deuteranopia

57.2396, 56.0190, 16.1834



Tritanopia

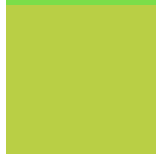
48.2232, 56.7895, 78.9408

Trichromacy



Original Color

35.4923, 56.9345, 15.4222



Protanomaly

43.3946, 55.3696, 14.0305



Deuteranomaly

46.1896, 54.3052, 15.6369



Tritanomaly

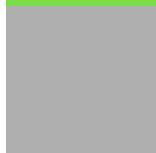
41.6031, 55.9420, 46.1413

Monochromacy



Original Color

35.4923, 56.9345, 15.4222



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

37.1474, 46.6022, 31.0820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4923, 56.9345, 15.4222 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(123, 222, 73)` looks like.

```
.text, #text, p{  
    color:rgb(123, 222, 73)  
}
```

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(123, 222, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 222, 73) }
```

Border

The CSS property to change the border of an element to XYZ 35.4923, 56.9345, 15.4222 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(123, 222, 73) }
```


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

```
.border{ border-color:rgb(123, 222, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 222, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 222, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 222, 73);  
box-shadow:4px 4px 4px 4px rgb(123, 222,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4923, 56.9345, 15.4222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 222, 73) }
```

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

```
.background{ background-color: rgb(123,  
222, 73) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor