

Converting Colors

XYZ(35.7551, 48.0284, 23.6588)

Have a look what the booklet for
XYZ(35.7551, 48.0284, 23.6588)
contains.

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Color

**XYZ(35.6830, 48.0155,
23.6069)**

Conversions

Conversions Part 1

Format	Color
Hex	95C673
RGB	149, 198, 115
RGB Percent	58%, 78%, 45%
CMY	0.4157, 0.2235, 0.5490
CMYK	0.25, 0.00, 0.42, 0.22
HSL	95°, 42%, 61%
HSV	95°, 42%, 78%
XYZ	35.6830, 48.0155, 23.6069
YIQ	173.8870, -2.5610, -36.2010

Conversions

Conversions Part 2

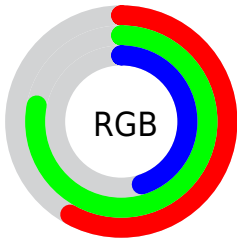
Format	Color
RYB	115, 198, 164
Decimal	9815667
CIELab	74.83, -30.83, 36.46
CIELCh	75, 47.749, 130.216
Yxy	48.0155, 0.3325, 0.4475
Android (android.graphics.Color)	4288005747 (0xFF95C673)
YUV	173.8870, -29.0313, -21.8259
Hunter-Lab	69.2932, -29.3434, 28.3063

Details

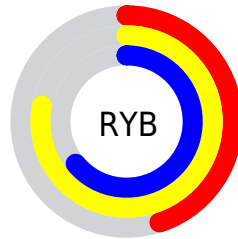
The XYZ color **35.6830, 48.0155, 23.6069** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **31.6357, 24.2326, 56.4387**, and the grayscale version is **40.3204, 42.4202, 46.1956**.

A 20% lighter version of the original color is **68.0047, 87.3263, 50.3172**, and **15.7513, 22.8150, 8.5746** is the 20% darker color. If you saturate the color by 10%, you get **32.6373, 46.5647, 18.1424**, and if you desaturate by 10%, it is **39.1900, 49.6788, 30.3724**.

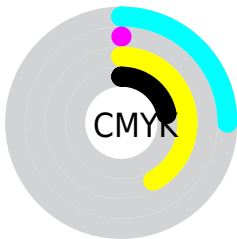
Distribution



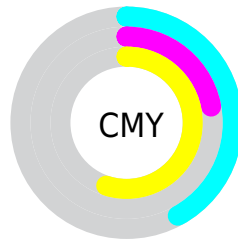
- Red (58%)
- Green (78%)
- Blue (45%)



- Red (45%)
- Yellow (78%)
- Blue (64%)



- Cyan (25%)
- Magenta (0%)
- Yellow (42%)
- Black (22%)





- Cyan (42%)
- Magenta (22%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6830, 48.0155, 23.6069 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 35.6830, 48.0155, 23.6069 by changing the saturation by 10% instead.


 35.6830, 48.0155,
23.6069


 35.6830, 48.0155,
23.6069


319.0283,
378.8536, 284.0493


 24.3584, 33.8392,
14.8328


 67.8696, 87.2275,
50.3237

 15.7259, 22.7701,
8.5568


 89.4623, 113.0319,
69.1035

 9.4200, 14.4238,
4.3604


 115.2085,
143.4812, 92.0556

 5.0754, 8.4160,
1.8251

145.4734,
178.9596, 119.5985

 2.3268, 4.3623,
0.4444

180.6226,
219.8517, 152.1508

 0.8083, 1.8782,
0.0000

221.0212,

 0.0000, 0.5352,

266.5418, 190.1310

0.0000

267.0346,
319.4143, 233.9576

■ 0.0000, 0.0000,
0.0000

■ 35.6830, 48.0155,
23.6069

■ 35.6830, 48.0155,
23.6069

■ 32.6373, 46.5647,
18.1424

■ 39.1900, 49.6788,
30.3724

■ 30.0271, 45.3104,
13.8921

■ 43.1751, 51.5572,
38.5119

■ 27.8295, 44.2445,
10.7637


■ 47.6586, 53.6610,
48.0968


■ 26.0172, 43.3551,
8.6503


■ 52.6584, 55.9981,
59.1925


■ 24.5587, 42.6289,
7.4240


■ 58.1915, 58.5758,
71.8606

 23.5973, 42.1440,
6.8909

 64.2742, 61.4014,
86.1591

 70.9218, 64.4814,
102.1432

 75.0421, 66.5797,
103.5038

 79.1955, 68.7208,
103.6981

Harmonies

Analogous

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



42.7394, 48.0155, 17.9281



35.6830, 48.0155, 23.6069



31.6597, 48.0155, 37.7081

Triad

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



35.6830, 48.0155, 23.6069



40.2159, 48.0155, 111.4215



64.1209, 48.0155, 44.2496

Complementary

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



35.6830, 48.0155, 23.6069



31.6357, 24.2326, 56.4387

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.



63.2209, 48.0155, 70.1939



35.6830, 48.0155, 23.6069



48.6633, 48.0155, 114.8752

Square

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



35.6830, 48.0155, 23.6069



34.0377, 48.0155, 89.6336



57.2894, 48.0155, 97.9574



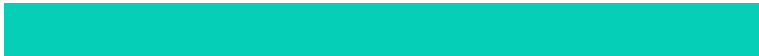
59.6117, 48.0155, 27.0842

Rectangle

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



35.6830, 48.0155, 23.6069



30.8938, 48.0155, 52.4615



57.2894, 48.0155, 97.9574



64.4534, 48.0155, 52.1004

Sweetspot

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



35.6842, 48.0176, 23.6079



83.3273, 94.5211, 82.8545



39.5564, 39.5881, 21.7768



17.4436, 20.0477, 16.8877



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.



35.6842, 48.0176, 23.6079



58.3817, 82.7356, 33.1425



30.7735, 45.4383, 25.5347



10.9020, 12.0964, 11.3230



15.4370, 27.4534, 4.4854



0.8127, 1.3421, 0.2162

Inverse Universe

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



31.6357, 24.2326, 56.4387



50.2716, 35.1932, 98.7511



38.8344, 28.0338, 52.7050



10.6468, 10.5917, 13.4007



11.4899, 5.1575, 35.1343



0.6248, 0.2858, 1.6674

Previews

White Background



This preview shows how the XYZ color 35.6830, 48.0155, 23.6069 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 35.6830, 48.0155, 23.6069 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 35.6830, 48.0155, 23.6069

Background



This preview shows how black text looks on a background with the XYZ color 35.6830, 48.0155, 23.6069.



This preview shows how white text looks on a background with the XYZ color 35.6830, 48.0155,

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

35.6830, 48.0155, 23.6069

Protanopia

44.0424, 47.8243, 21.6616

Deuteranopia

48.5389, 47.3882, 24.3579



Tritanopia

43.6630, 47.9596, 63.4558

Trichromacy



Original Color

35.6830, 48.0155, 23.6069

Protanomaly

40.4136, 47.5101, 22.3696

Deuteranomaly

42.7092, 46.7771, 23.9174

Tritanomaly

40.1050, 47.8076, 45.6421

Monochromacy



Original Color

35.6830, 48.0155, 23.6069

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.2003, 44.1662, 36.6486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6830, 48.0155, 23.6069 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(149, 198, 115)` looks like.

```
.text, #text, p{  
    color:rgb(149, 198, 115)  
}
```

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(149, 198, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 198, 115) }
```

Border

The CSS property to change the border of an element to XYZ 35.6830, 48.0155, 23.6069 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(149, 198, 115) }
```


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

```
.border{ border-color:rgb(149, 198, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 198, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 198, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 198, 115);  
box-shadow:4px 4px 4px 4px rgb(149, 198,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6830, 48.0155, 23.6069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 198, 115) }
```

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

```
.background{ background-color: rgb(149,  
198, 115) }
```

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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