

Converting Colors

XYZ(33.1446, 47.5524, 15.1415)

Have a look what the booklet for
XYZ(33.1446, 47.5524, 15.1415)
contains.

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Color

**XYZ(33.1240, 47.5654,
15.2198)**

Conversions

Conversions Part 1

Format	Color
Hex	8DC851
RGB	141, 200, 81
RGB Percent	55%, 78%, 32%
CMY	0.4471, 0.2157, 0.6823
CMYK	0.30, 0.00, 0.59, 0.22
HSL	90°, 52%, 55%
HSV	90°, 59%, 78%
XYZ	33.1240, 47.5654, 15.2198
YIQ	168.7930, 3.0350, -49.5170

Conversions

Conversions Part 2

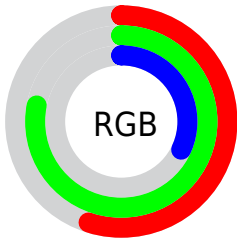
Format	Color
RYB	81, 200, 140
Decimal	9291857
CIELab	74.55, -38.44, 52.32
CIELCh	75, 64.927, 126.303
Yxy	47.5654, 0.3454, 0.4959
Android (android.graphics.Color)	4287481937 (0xFF8DC851)
YUV	168.7930, -43.2819, -24.3745
Hunter-Lab	68.9677, -34.9629, 35.1932

Details

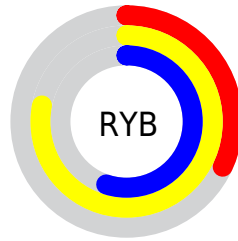
The XYZ color **33.1240, 47.5654, 15.2198** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **24.1851, 15.6319, 56.3889**, and the grayscale version is **37.8170, 39.7864, 43.3274**.

A 20% lighter version of the original color is **63.0890, 85.1115, 35.6573**, and **14.2921, 22.6064, 4.5299** is the 20% darker color. If you saturate the color by 10%, you get **30.8706, 46.4795, 11.7597**, and if you desaturate by 10%, it is **35.7515, 48.8216, 19.8521**.

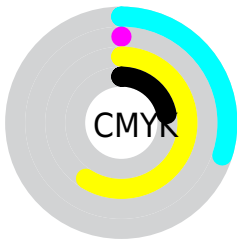
Distribution



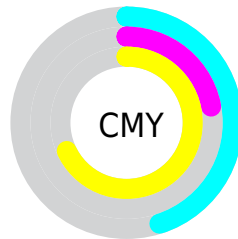
- Red (55%)
- Green (78%)
- Blue (32%)



- Red (32%)
- Yellow (78%)
- Blue (55%)



- Cyan (30%)
- Magenta (0%)
- Yellow (59%)
- Black (22%)





- Cyan (45%)
- Magenta (22%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1240, 47.5654, 15.2198 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 33.1240, 47.5654, 15.2198 by changing the saturation by 10% instead.


 33.1240, 47.5654,
15.2198


 33.1240, 47.5654,
15.2198


307.8632,
377.0669, 236.3792

 22.3811, 33.4828,
8.8255


 63.9225, 86.5570,
35.9861

 14.2554, 22.4966,
4.5323


 84.7088, 112.2348,
51.1951


 8.3814, 14.2222,
1.9216


 109.5736,
142.5465, 70.1793

 4.3938, 8.2754,
0.5065

 138.8823,
177.8764, 93.3575

 1.9272, 4.2717,
0.0000

 173.0003,
218.6091, 121.1480

 0.5926, 1.8267,
0.0000

212.2929,

 0.0000, 0.5037,

265.1288, 153.9694

0.0000

257.1254,
317.8199, 192.2403

■ 0.0000, 0.0000,
0.0000

■ 33.1240, 47.5654,
15.2198

■ 33.1240, 47.5654,
15.2198

■ 30.8706, 46.4795,
11.7597

■ 35.7515, 48.8216,
19.8521

■ 28.9641, 45.5477,
9.3631

■ 38.7712, 50.2510,
25.7465

■ 27.3776, 44.7605,
7.9063

■ 42.2037, 51.8638,
32.9875

■ 26.0649, 44.0988,
7.1669

■ 46.0670, 53.6676,
41.6516

■ 26.0038, 44.0679,
7.1354

■ 50.3778, 55.6696,
51.8093

■ 55.1522, 57.8765,
63.5266

■ 60.4049, 60.2945,
76.8656

■ 66.1502, 62.9299,
91.8848

■ 71.4193, 65.3953,
103.4661

Harmonies

Analogous

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



42.7775, 47.5654, 10.4557



33.1240, 47.5654, 15.2198



27.5370, 47.5654, 29.9201

Triad

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



33.1240, 47.5654, 15.2198



36.7345, 47.5654, 136.3503



71.5475, 47.5654, 45.0159

Complementary

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



33.1240, 47.5654, 15.2198



24.1851, 15.6319, 56.3889

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.



69.1759, 47.5654, 82.3424



33.1240, 47.5654, 15.2198



47.7319, 47.5654, 146.2226

Square

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



33.1240, 47.5654, 15.2198



29.3555, 47.5654, 100.2392



59.9262, 47.5654, 123.2673



65.9388, 47.5654, 22.1810

Rectangle

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



33.1240, 47.5654, 15.2198



26.2252, 47.5654, 47.7347



59.9262, 47.5654, 123.2673



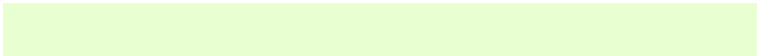
71.6690, 47.5654, 56.0700

Sweetspot

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



33.1251, 47.5675, 15.2208



80.6381, 93.3246, 74.1499



34.4693, 31.2008, 11.9909



16.8143, 19.7678, 14.8469



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.



33.1251, 47.5675, 15.2208



52.5592, 80.0377, 19.1484



25.7068, 43.7432, 14.8737



10.9985, 12.1462, 11.3275



16.6368, 28.0719, 4.5416



0.8713, 1.3723, 0.2190

Inverse Universe

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



24.1851, 15.6319, 56.3889



35.7477, 19.9737, 96.5789



36.6628, 22.0644, 56.9728



10.5492, 10.5414, 13.3962



10.0153, 4.3973, 35.0653



0.5578, 0.2513, 1.6642

Previews

White Background



This preview shows how the XYZ color 33.1240, 47.5654, 15.2198 looks on a white background.

Color Contrast Check

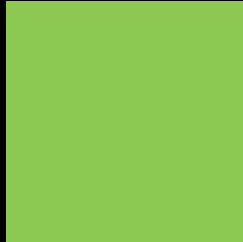
Large Text (above 18pt) WCAG AA × Fail

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 33.1240, 47.5654, 15.2198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

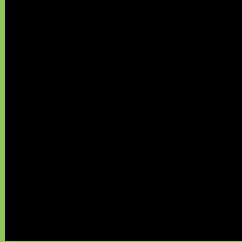
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.1240, 47.5654, 15.2198

Background



This preview shows how black text looks on a background with the XYZ color 33.1240, 47.5654, 15.2198.



This preview shows how white text looks on a background with the XYZ color 33.1240, 47.5654,

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

33.1240, 47.5654, 15.2198

Protanopia

42.8666, 47.0853, 13.6665

Deuteranopia

47.9488, 46.9842, 15.7742



Tritanopia

42.8633, 47.5473, 63.4183

Trichromacy



Original Color

33.1240, 47.5654, 15.2198

Protanomaly

38.3951, 46.6485, 14.1882

Deuteranomaly

40.8213, 45.9922, 15.3202

Tritanomaly

38.0565, 46.8779, 39.8434

Monochromacy



Original Color

33.1240, 47.5654, 15.2198

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

35.1347, 41.8196, 29.8871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1240, 47.5654, 15.2198 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(141, 200, 81)` looks like.

```
.text, #text, p{  
    color:rgb(141, 200, 81)  
}
```

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(141, 200, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 200, 81) }
```

Border

The CSS property to change the border of an element to XYZ 33.1240, 47.5654, 15.2198 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(141, 200, 81) }
```


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

```
.border{ border-color:rgb(141, 200, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 200, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 200, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 200, 81);  
box-shadow:4px 4px 4px 4px rgb(141, 200,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1240, 47.5654, 15.2198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 200, 81) }
```

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

```
.background{ background-color: rgb(141,  
200, 81) }
```

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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