

Converting Colors

XYZ(40.1793, 54.8764, 15.8601)

Have a look what the booklet for
XYZ(40.1793, 54.8764, 15.8601)
contains.

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Color

**XYZ(40.1838, 54.7647,
15.8499)**

Conversions

Conversions Part 1

Format	Color
Hex	A6D24F
RGB	166, 210, 79
RGB Percent	65%, 82%, 31%
CMY	0.3490, 0.1765, 0.6902
CMYK	0.21, 0.00, 0.62, 0.18
HSL	80°, 59%, 57%
HSV	80°, 62%, 82%
XYZ	40.1838, 54.7647, 15.8499
YIQ	181.9100, 15.8270, -50.0690

Conversions

Conversions Part 2

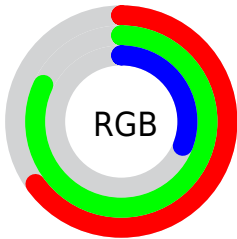
Format	Color
RYB	79, 210, 123
Decimal	10932815
CIELab	78.91, -33.81, 58.42
CIElCh	79, 67.499, 120.058
Yxy	54.7647, 0.3627, 0.4943
Android (android.graphics.Color)	4289122895 (0xFFA6D24F)
YUV	181.9100, -50.7346, -13.9531
Hunter-Lab	74.0032, -32.5799, 39.1036

Details

The XYZ color **40.1838, 54.7647, 15.8499** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **22.5994, 14.4576, 62.5754**, and the grayscale version is **44.6772, 47.0039, 51.1873**.

A 20% lighter version of the original color is **70.7341, 89.0607, 35.6527**, and **18.2609, 26.8014, 4.7830** is the 20% darker color. If you saturate the color by 10%, you get **38.0989, 53.7665, 12.3734**, and if you desaturate by 10%, it is **42.5939, 55.9062, 20.6038**.

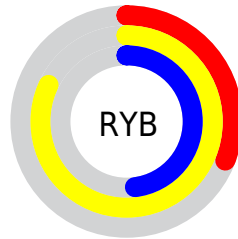
Distribution



Red (65%)

Green (82%)

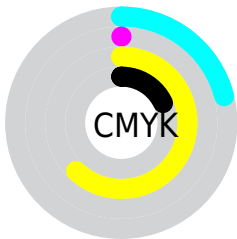
Blue (31%)



Red (31%)

Yellow (82%)

Blue (48%)

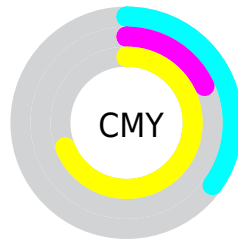


Cyan (21%)

Magenta (0%)

Yellow (62%)

Black (18%)



Cyan (35%)


Magenta (18%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1838, 54.7647, 15.8499 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 40.1838, 54.7647, 15.8499 by changing the saturation by 10% instead.


 40.1838, 54.7647,
15.8499


 40.1838, 54.7647,
15.8499


338.0188,
405.0194, 240.2698


 27.8667, 39.2134,
9.2648


 74.7259, 97.1961,
37.1006


 18.3652, 26.9258,
4.8151


 97.6816, 124.8450,
52.6032


 11.3137, 17.5175,
2.0824


 124.9142,
157.2952, 71.9155

 6.3471, 10.6041,
0.6052

 156.7892,
194.9310, 95.4559

 3.0999, 5.8013,
0.0000

 193.6717,
238.1370, 123.6430

 1.2068, 2.7246,
0.0000

235.9273,

 0.1118, 0.9897,

287.2974, 156.8953

0.0000

283.9212,
342.7968, 195.6314

■ 0.0000, 0.0000,
0.0000

■ 40.1838, 54.7647,
15.8499

■ 40.1838, 54.7647,
15.8499

■ 38.0989, 53.7665,
12.3734

■ 42.5939, 55.9062,
20.6038

■ 36.3103, 52.8941,
10.0464

■ 45.3470, 57.1925,
26.7400

■ 34.7897, 52.1379,
8.7203

■ 48.4641, 58.6341,
34.3566

■ 33.7725, 51.6243,
8.1845

■ 51.9632, 60.2383,
43.5416

■ 55.8607, 62.0117,
54.3763

■ 60.1723, 63.9609,
66.9364

■ 64.9125, 66.0917,
81.2927

■ 70.0951, 68.4098,
97.5122

■ 73.5672, 70.0542,
104.2521

Harmonies

Analogous

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



52.0262, 54.7647, 12.0912



40.1838, 54.7647, 15.8499



32.7652, 54.7647, 29.8605

Triad

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



40.1838, 54.7647, 15.8499



40.2217, 54.7647, 149.1527



82.3038, 54.7647, 59.5551

Complementary

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



40.1838, 54.7647, 15.8499



22.5994, 14.4576, 62.5754

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.



77.7239, 54.7647, 104.5652



40.1838, 54.7647, 15.8499



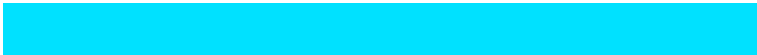
52.0782, 54.7647, 168.0475

Square

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



40.1838, 54.7647, 15.8499



32.7843, 54.7647, 104.7527



66.0538, 54.7647, 149.0157



77.6900, 54.7647, 29.7794

Rectangle

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



40.1838, 54.7647, 15.8499



30.5742, 54.7647, 47.7746



66.0538, 54.7647, 149.0157



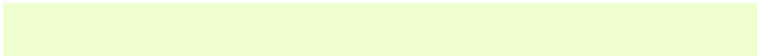
81.7797, 54.7647, 73.2991

Sweetspot

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



40.1851, 54.7671, 15.8511



82.4713, 94.3059, 72.5996



35.0334, 28.3514, 11.0238



17.2907, 20.0204, 14.5517



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.



40.1851, 54.7671, 15.8511



58.1030, 82.9321, 17.7584



29.8079, 49.4175, 15.3654



12.4016, 13.5905, 12.5816



20.7104, 31.5456, 4.9974



1.2405, 1.8064, 0.2833

Inverse Universe

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



22.5994, 14.4576, 62.5754



28.7704, 15.4473, 96.0730



35.2110, 20.9591, 63.1656



11.5326, 11.6079, 14.8764



8.7568, 3.6946, 37.4441



0.5733, 0.2497, 2.0976

Previews

White Background



This preview shows how the XYZ color 40.1838, 54.7647, 15.8499 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 40.1838, 54.7647, 15.8499 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 40.1838, 54.7647, 15.8499

Background



This preview shows how black text looks on a background with the XYZ color 40.1838, 54.7647, 15.8499.



This preview shows how white text looks on a background with the XYZ color 40.1838, 54.7647,

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

40.1838, 54.7647, 15.8499

Protanopia

49.4004, 54.2899, 14.5319

Deuteranopia

55.3449, 54.0868, 16.5396



Tritanopia

51.1413, 54.6311, 70.1368

Trichromacy



Original Color

40.1838, 54.7647, 15.8499

Protanomaly

45.2475, 53.8361, 14.8441

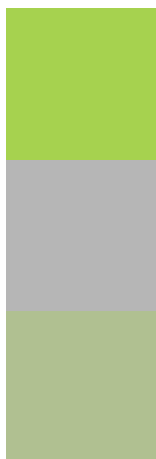
Deuteranomaly

48.6236, 53.5198, 16.1551

Tritanomaly

45.7259, 54.1515, 43.1642

Monochromacy



Original Color

40.1838, 54.7647, 15.8499

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

41.8650, 48.9737, 34.0344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1838, 54.7647, 15.8499 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(166, 210, 79)` looks like.

```
.text, #text, p{  
    color:rgb(166, 210, 79)  
}
```

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(166, 210, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 210, 79) }
```

Border

The CSS property to change the border of an element to XYZ 40.1838, 54.7647, 15.8499 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(166, 210, 79) }
```


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

```
.border{ border-color:rgb(166, 210, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 210, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 210, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 210, 79);  
box-shadow:4px 4px 4px 4px rgb(166, 210,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1838, 54.7647, 15.8499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 210, 79) }
```

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

```
.background{ background-color: rgb(166,  
210, 79) }
```

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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