

Converting Colors

XYZ(41.4078, 62.3844, 16.5156)

Have a look what the booklet for
XYZ(41.4078, 62.3844, 16.5156)
contains.

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Color

**XYZ(41.4078, 62.3844,
16.5156)**

Conversions

Conversions Part 1

Format	Color
Hex	95E44B
RGB	149, 228, 75
RGB Percent	58%, 89%, 29%
CMY	0.4157, 0.1059, 0.7059
CMYK	0.35, 0.00, 0.67, 0.11
HSL	91°, 74%, 59%
HSV	91°, 67%, 89%
XYZ	41.4078, 62.3844, 16.5156
YIQ	186.9370, 2.0290, -64.3310

Conversions

Conversions Part 2

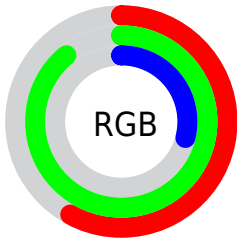
Format	Color
RYB	75, 228, 154
Decimal	9823307
CIELab	83.12, -48.19, 64.23
CIElCh	83, 80.299, 126.880
Yxy	62.3844, 0.3442, 0.5185
Android (android.graphics.Color)	4288013387 (0xFF95E44B)
YUV	186.9370, -55.1849, -33.2707
Hunter-Lab	78.9838, -44.6418, 42.8911

Details

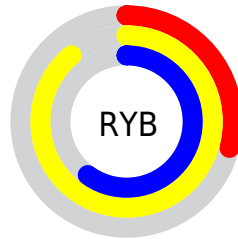
The XYZ color **41.4078, 62.3844, 16.5156** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **29.8492, 17.5056, 75.2081**, and the grayscale version is **47.5008, 49.9746, 54.4223**.

A 20% lighter version of the original color is **65.5889, 86.4241, 34.6973**, and **19.0669, 31.7292, 5.1194** is the 20% darker color. If you saturate the color by 10%, you get **38.7228, 61.0768, 13.0211**, and if you desaturate by 10%, it is **44.5925, 63.9212, 21.4950**.

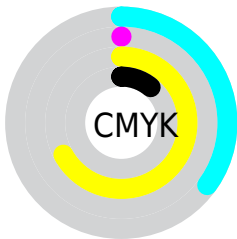
Distribution



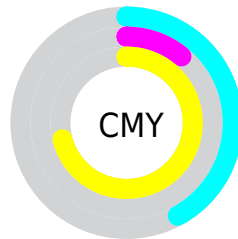
- Red (58%)
- Green (89%)
- Blue (29%)



- Red (29%)
- Yellow (89%)
- Blue (60%)



- Cyan (35%)
- Magenta (0%)
- Yellow (67%)
- Black (11%)



- Cyan (42%)
- Magenta (11%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4078, 62.3844, 16.5156 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 41.4078, 62.3844, 16.5156 by changing the saturation by 10% instead.

41.4078, 62.3844,
16.5156

41.4078, 62.3844,
16.5156

343.0557,
433.3319, 244.3140

28.8269, 45.3434,
9.7314

76.5734, 108.2809,
38.2702

19.0936, 31.7280,
5.1180

99.8888, 137.9052,
54.0777

11.8423, 21.1538,
2.2567

127.5131,
172.4926, 73.7301

6.7078, 13.2365,
0.7068

159.8117,
212.4277, 97.6459

3.3248, 7.5916,
0.0000

197.1499,
258.0948, 126.2436

1.3277, 3.8347,
0.0000

239.8930,

0.2038, 1.5816,

309.8782, 159.9419

0.0000

288.4065,
368.1625, 199.1591

0.0000, 0.3451,
0.0000

0.0000, 0.0000,
0.0000

41.4078, 62.3844,
16.5156

41.4078, 62.3844,
16.5156

38.7228, 61.0768,
13.0211

44.5925, 63.9212,
21.4950

36.4952, 59.9743,
10.8415


48.3054, 65.6930,
28.0968


34.6786, 59.0599,
9.7616


52.5776, 67.7150,
36.4476


34.2086, 58.8218,
9.5508


57.4361, 69.9987,
46.6600

 62.9061, 72.5547,
58.8374

 69.0110, 75.3931,
73.0756

 75.7728, 78.5231,
89.4640

 82.8220, 81.7978,
106.0311

 87.0209, 83.9624,
106.2276

Harmonies

Analogous

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



55.3790, 62.3844, 10.3145



41.4078, 62.3844, 16.5156



33.5550, 62.3844, 36.8388

Triad

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



41.4078, 62.3844, 16.5156



47.1116, 62.3844, 199.5235



99.0663, 62.3844, 57.0894

Complementary

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



41.4078, 62.3844, 16.5156



29.8492, 17.5056, 75.2081

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.



95.6641, 62.3844, 112.8869



41.4078, 62.3844, 16.5156



63.3904, 62.3844, 214.2295

Square

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



41.4078, 62.3844, 16.5156



36.3703, 62.3844, 143.1182



81.7078, 62.3844, 176.9104



90.2599, 62.3844, 25.1431

Rectangle

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



41.4078, 62.3844, 16.5156



31.7838, 62.3844, 62.8467



81.7078, 62.3844, 176.9104



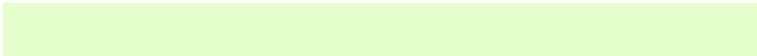
99.3357, 62.3844, 73.2718

Sweetspot

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



41.4093, 62.3871, 16.5170



78.8653, 92.4826, 70.8210



44.4147, 39.2990, 11.9021



16.4510, 19.5944, 14.1999



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.



41.4093, 62.3871, 16.5170



48.5776, 78.0650, 15.3530



31.9170, 57.4937, 16.0727



14.8494, 16.4294, 15.2930



19.8880, 34.0341, 5.5210



1.5765, 2.5701, 0.4130

Inverse Universe

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



29.8492, 17.5056, 75.2081



32.6637, 16.3501, 96.0421



48.5172, 27.1294, 76.0817



14.2891, 14.2513, 18.1420



12.5171, 5.5187, 42.7887



1.0322, 0.4631, 3.1669

Previews

White Background



This preview shows how the XYZ color 41.4078, 62.3844, 16.5156 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 41.4078, 62.3844, 16.5156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

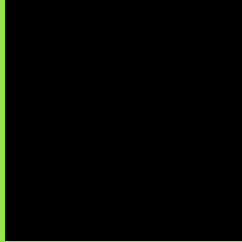
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.4078, 62.3844, 16.5156

Background



This preview shows how black text looks on a background with the XYZ color 41.4078, 62.3844, 16.5156.



This preview shows how white text looks on a background with the XYZ color 41.4078, 62.3844,

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

41.4078, 62.3844, 16.5156

Protanopia

55.7786, 61.3953, 14.5409

Deuteranopia

62.8254, 61.4780, 18.2281



Tritanopia

54.8718, 61.9596, 83.9303

Trichromacy



Original Color

41.4078, 62.3844, 16.5156



Protanomaly

49.2713, 60.9656, 15.1319



Deuteranomaly

52.5145, 60.3666, 17.4784



Tritanomaly

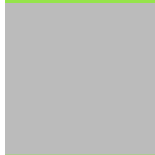
47.8156, 60.9853, 49.2956

Monochromacy



Original Color

41.4078, 62.3844, 16.5156



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

43.5424, 53.2006, 35.1679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4078, 62.3844, 16.5156 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, 228, 75)` looks like.

```
.text, #text, p{  
    color:rgb(149, 228, 75)  
}
```

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, 228, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 228, 75) }
```

Border

The CSS property to change the border of an element to XYZ 41.4078, 62.3844, 16.5156 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, 228, 75) }
```


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

```
.border{ border-color:rgb(149, 228, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 228, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 228, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 228, 75);  
box-shadow:4px 4px 4px 4px rgb(149, 228,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4078, 62.3844, 16.5156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 228, 75) }
```

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

```
.background{ background-color: rgb(149,  
228, 75) }
```

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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