

Converting Colors

XYZ(42.2331, 62.2611, 19.6259)

Have a look what the booklet for
XYZ(42.2331, 62.2611, 19.6259)
contains.

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Color

**XYZ(42.3063, 62.3689,
19.7062)**

Conversions

Conversions Part 1

Format	Color
Hex	98E35B
RGB	152, 227, 91
RGB Percent	60%, 89%, 36%
CMY	0.4039, 0.1098, 0.6431
CMYK	0.33, 0.00, 0.60, 0.11
HSL	93°, 71%, 62%
HSV	93°, 60%, 89%
XYZ	42.3063, 62.3689, 19.7062
YIQ	189.0710, -1.0440, -58.1960

Conversions

Conversions Part 2

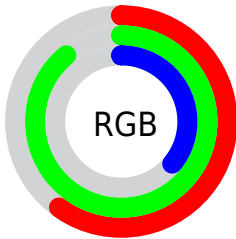
Format	Color
RYB	91, 227, 166
Decimal	10019675
CIELab	83.11, -45.43, 57.75
CIELCh	83, 73.478, 128.194
Yxy	62.3689, 0.3401, 0.5014
Android (android.graphics.Color)	4288209755 (0xFF98E35B)
YUV	189.0710, -48.3490, -32.5113
Hunter-Lab	78.9740, -42.5822, 40.4873

Details

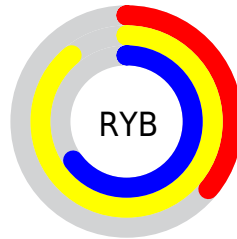
The XYZ color **42.3063, 62.3689, 19.7062** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **33.3351, 21.1372, 74.9995**, and the grayscale version is **48.6804, 51.2156, 55.7737**.

A 20% lighter version of the original color is **67.4492, 87.2660, 40.0771**, and **19.5710, 31.6742, 6.5956** is the 20% darker color. If you saturate the color by 10%, you get **39.2510, 60.8923, 15.2022**, and if you desaturate by 10%, it is **45.9081, 64.0969, 25.7839**.

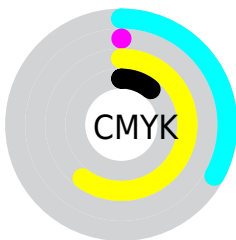
Distribution



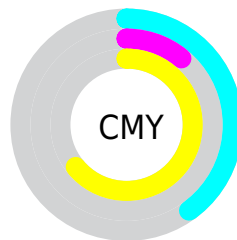
- Red (60%)
- Green (89%)
- Blue (36%)



- Red (36%)
- Yellow (89%)
- Blue (65%)



- Cyan (33%)
- Magenta (0%)
- Yellow (60%)
- Black (11%)



- Cyan (40%)
- Magenta (11%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3063, 62.3689, 19.7062 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 42.3063, 62.3689, 19.7062 by changing the saturation by 10% instead.

■ 42.3063, 62.3689,
19.7062

■ 42.3063, 62.3689,
19.7062

346.7212,
433.2754, 262.8716

■ 29.5334, 45.3308,
11.9997

■ 77.9252, 108.2585,
43.7765

■ 19.6310, 31.7181,
6.6209

■ 101.5020,
137.8789, 60.9775

■ 12.2338, 21.1463,
3.1514

■ 129.4107,
172.4621, 82.1803

■ 6.9764, 13.2310,
1.1724

■ 162.0167,
212.3926, 107.8035

■ 3.4936, 7.5878,
0.0000

199.6854,
258.0548, 138.2657

■ 1.4198, 3.8323,
0.0000

242.7821,

■ 0.2703, 1.5802,

309.8331, 173.9854

0.0000

291.6723,
368.1118, 215.3812

■ 0.0000, 0.3442,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.3063, 62.3689,
19.7062

■ 42.3063, 62.3689,
19.7062

■ 39.2510, 60.8923,
15.2022

■ 45.9081, 64.0969,
25.7839

■ 36.7024, 59.6440,
12.1220


■ 50.0835, 66.0816,
33.5592


■ 34.6211, 58.6094,
10.2935


■ 54.8626, 68.3380,
43.1480

■ 32.9422, 57.7615,
9.4187


■ 60.2720, 70.8776,
54.6551


 32.9285, 57.7545,
9.4122

 66.3365, 73.7109,
68.1772

 73.0794, 76.8481,
83.8045

 80.5229, 80.2987,
101.6217

 85.7215, 82.8853,
106.0882

 86.7604, 83.4208,
106.1368

Harmonies

Analogous

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



55.0262, 62.3689, 12.8689



42.3063, 62.3689, 19.7062



35.1738, 62.3689, 40.2886

Triad

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



42.3063, 62.3689, 19.7062



48.6277, 62.3689, 186.0372



95.0030, 62.3689, 56.1731

Complementary

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



42.3063, 62.3689, 19.7062



33.3351, 21.1372, 74.9995

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.



92.4563, 62.3689, 105.9255



42.3063, 62.3689, 19.7062



63.7471, 62.3689, 196.7583

Square

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



42.3063, 62.3689, 19.7062



38.3429, 62.3689, 137.7550



80.2763, 62.3689, 162.6472



86.7162, 62.3689, 26.8675

Rectangle

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



42.3063, 62.3689, 19.7062



33.6612, 62.3689, 65.1854



80.2763, 62.3689, 162.6472



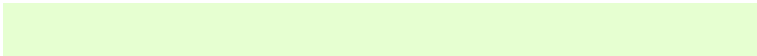
95.4104, 62.3689, 70.7077

Sweetspot

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



42.3078, 62.3716, 19.7076



79.8134, 92.8995, 74.1113



47.1693, 44.2885, 15.9609



16.6138, 19.6644, 14.8375



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.



42.3078, 62.3716, 19.7076



50.1879, 78.8250, 18.5983



33.9806, 58.0433, 20.9194



14.8000, 16.4040, 15.2907



19.3331, 33.7481, 5.4951



1.5343, 2.5483, 0.4110

Inverse Universe

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



33.3351, 21.1372, 74.9995



37.4864, 20.6226, 96.6126



48.3669, 28.9927, 70.8994



14.3390, 14.2770, 18.1443



13.1712, 5.8559, 42.8193



1.0799, 0.4877, 3.1692

Previews

White Background



This preview shows how the XYZ color 42.3063, 62.3689, 19.7062 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 42.3063, 62.3689, 19.7062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

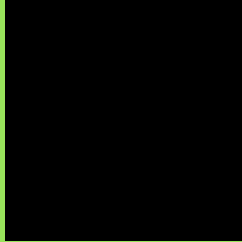
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.3063, 62.3689, 19.7062

Background



This preview shows how black text looks on a background with the XYZ color 42.3063, 62.3689, 19.7062.



This preview shows how white text looks on a background with the XYZ color 42.3063, 62.3689, 19.7062.

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

42.3063, 62.3689, 19.7062

Protanopia

56.0241, 61.4565, 17.5038

Deuteranopia

62.9132, 61.4708, 20.6058



Tritanopia

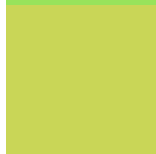
55.0904, 62.0723, 83.9405

Trichromacy



Original Color

42.3063, 62.3689, 19.7062



Protanomaly

49.8543, 61.1988, 18.2018



Deuteranomaly

53.0858, 60.2404, 20.1389



Tritanomaly

48.7251, 61.3968, 51.9305

Monochromacy



Original Color

42.3063, 62.3689, 19.7062



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

45.0102, 54.2419, 38.2344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3063, 62.3689, 19.7062 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(152, 227, 91)` looks like.

```
.text, #text, p{  
    color:rgb(152, 227, 91)  
}
```

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(152, 227, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 227, 91) }
```

Border

The CSS property to change the border of an element to XYZ 42.3063, 62.3689, 19.7062 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(152, 227, 91) }
```


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

```
.border{ border-color:rgb(152, 227, 91) }
```

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

Here you see how a box with a 4 pixel rgb(152, 227, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 227, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 227, 91);  
box-shadow:4px 4px 4px 4px rgb(152, 227,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3063, 62.3689, 19.7062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 227, 91) }
```

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

```
.background{ background-color: rgb(152,  
227, 91) }
```

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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