Converting Colors

XYZ(41.8553, 60.2982, 17.2740)

Have a look what the booklet for XYZ(41.8553, 60.2982, 17.2740) contains.

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Color

XYZ(41.7070, 60.1057, 17.1880)

Conversions

Conversions Part 1

Format	Color
Hex	9EDE51
RGB	158, 222, 81
RGB Percent	62%, 87%, 32%
CMY	0.3804, 0.1294, 0.6823
CMYK	0.29, 0.00, 0.64, 0.13
HSL	87°, 68%, 59%
HSV	87°, 64%, 87%
XYZ	41.7070, 60.1057, 17.1880
YIQ	186.7900, 7.1170, -57.4190

Conversions

Conversions Part 2

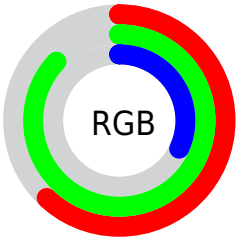
Format	Color
RYB	81, 222, 145
Decimal	10411601
CIELab	81.90, -42.01, 60.70
CIELCh	82, 73.818, 124.691
Yxy	60.1057, 0.3505, 0.5051
Android (android.graphics.Color)	4288601681 (0xFF9EDE51)
YUV	186.7900, -52.1545, -25.2488
Hunter-Lab	77.5279, -39.6477, 41.1249

Details

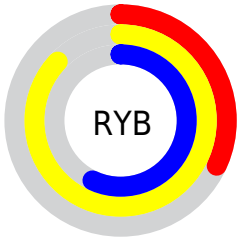
The XYZ color 41.7070, 60.1057, 17.1880 is a light color, and the websafe version is hex 99CC33. The color can be described as light muted chartreuse. A complement of this color would be 27.8070, 17.1804, 70.9612, and the grayscale version is 47.3990, 49.8675, 54.3057.

A 20% lighter version of the original color is 68.5228, 87.8965, 36.6467, and 19.2333, 30.1442, 5.4208 is the 20% darker color. If you saturate the color by 10%, you get 39.1056, 58.8475, 13.4087, and if you desaturate by 10%, it is 44.7460, 61.5618, 22.4103.

Distribution

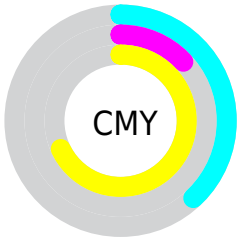


- Red (62%)
- Green (87%)
- Blue (32%)



- Red (32%)
- Yellow (87%)
- Blue (57%)

- Cyan (29%)
- Magenta (0%)
- Yellow (64%)
- Black (13%)



- Cyan (38%)
- Magenta (13%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7070, 60.1057, 17.1880 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 41.7070, 60.1057, 17.1880 by changing the saturation by 10% instead.

41.7070, 60.1057, 17.1880

41.7070, 60.1057, 17.1880

344.2792, 424.9873, 248.3340

29.0620, 43.5038, 10.2052

77.0239, 104.9830, 39.4438

19.2723, 30.2806, 5.4279

100.4266, 134.0272, 55.5539

11.9724, 20.0517, 2.4373

128.1459, 167.9876, 75.5436

6.7969, 12.4326, 0.8067

160.5472, 207.2487, 99.8314

3.3806, 7.0390, 0.0000

197.9958, 252.1948, 128.8357

1.3581, 3.4865, 0.0000

240.8571,

0.2261, 1.3907,

303.2104, 162.9753

289.4965, 360.6797, 202.6685

0.0000

0.0000, 0.2099, 0.0000

0.0000, 0.0000, 0.0000

41.7070, 60.1057, 17.1880

41.7070, 60.1057, 17.1880

39.1056, 58.8475, 13.4087

44.7460, 61.5618, 22.4103

36.9058, 57.7662, 10.9227

48.2459, 63.2195, 29.1979

35.0716, 56.8491, 9.5545

52.2331, 65.0917, 37.6648

34.0398, 56.3266, 9.0780

56.7305, 67.1880, 47.9129

61.7594, 69.5174, 60.0364

67.3395, 72.0880, 74.1226

73.4897, 74.9079, 90.2534

79.6412, 77.7499, 105.4174

83.1320, 79.5494, 105.5808

Harmonies

Analogous

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

54.7116, 60.1057, 11.7485

41.7070, 60.1057, 17.1880

34.0849, 60.1057, 35.1723

Triad

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

41.7070, 60.1057, 17.1880

45.2460, 60.1057, 177.8046

92.5231, 60.1057, 58.6708

Complementary

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

41.7070, 60.1057, 17.1880

27.8070, 17.1804, 70.9612

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.

88.7454, 60.1057, 109.4438

41.7070, 60.1057, 17.1880

59.6159, 60.1057, 193.7460

Square

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

41.7070, 60.1057, 17.1880

35.8523, 60.1057, 127.4899

75.9484, 60.1057, 164.4793

85.4970, 60.1057, 27.7294

Rectangle

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

41.7070, 60.1057, 17.1880

32.1734, 60.1057, 57.8170

75.9484, 60.1057, 164.4793

92.4842, 60.1057, 73.7158

Sweetspot

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

41.7084, 60.1083, 17.1893

80.5740, 93.3278, 72.5108

41.6533, 36.2091, 12.5792

16.8309, 19.7834, 14.5301

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.

41.7084, 60.1083, 17.1893

52.5498, 80.0775, 17.1300

31.6376, 54.9166, 16.7180

14.2405, 15.7041, 14.5874

20.3478, 33.5222, 5.3980

1.5132, 2.3766, 0.3790

Inverse Universe

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

27.8070, 17.1804, 70.9612

32.1554, 16.9847, 96.1913

44.1393, 25.6000, 71.7255

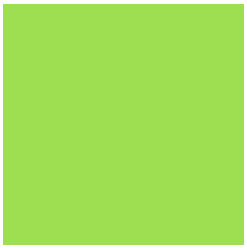
13.5401, 13.5464, 17.2888

11.1288, 4.8324, 41.3946

0.8736, 0.3876, 2.8740

Previews

White Background

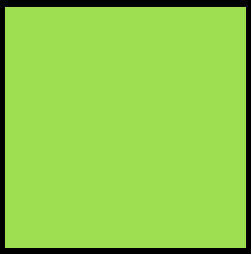


This preview shows how the XYZ color 41.7070, 60.1057, 17.1880 looks on a white background.

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 41.7070, 60.1057, 17.1880 looks on a black background.

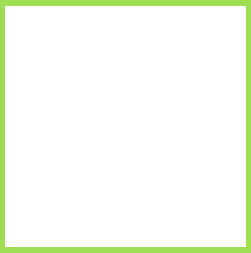
Color Contrast Check

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 41.7070, 60.1057, 17.1880 Background

This preview shows how black text looks on a background with the XYZ color 41.7070, 60.1057, 17.1880.



This preview shows how white text looks on a background with the XYZ color 41.7070, 60.1057,

17.1880.

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
41.7070, 60.1057, 17.1880

Protanopia
54.0245, 59.4024, 15.4559

Deuteranopia
60.6991, 59.3873, 17.9366

Tritanopia
54.1419, 59.8407, 79.2178

Trichromacy

Original Color
41.7070, 60.1057, 17.1880

Protanomaly
48.5091, 59.0608, 16.0509

Deuteranomaly
51.9284, 58.6256, 17.5958

Tritanomaly
47.8182, 59.1131, 47.9194

Monochromacy

Original Color
41.7070, 60.1057, 17.1880

Achromatopsia
47.2335, 49.6933, 54.1160

Achromatomaly
43.9041, 52.6768, 35.8706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7070, 60.1057, 17.1880 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(158, 222, 81) looks like.

```
.text, #text, p{
    color:rgb(158, 222, 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(158, 222, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 222, 81) }
```

Border

The CSS property to change the border of an element to XYZ 41.7070, 60.1057, 17.1880 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(158, 222, 81) }
```

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

```
.border{ border-color:rgb(158, 222, 81) }
```

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

Here you see how a box with a 4 pixel rgb(158, 222, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 222, 81); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 222, 81); box-shadow:4px 4px 4px 4px rgb(158, 222, 81) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7070, 60.1057, 17.1880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(158, 222, 81) }
```

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

```
.background{ background-color:rgb(158,
222, 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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