

Converting Colors

XYZ(41.3371, 60.6277, 33.3090)

Have a look what the booklet for
XYZ(41.3371, 60.6277, 33.3090)
contains.

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Color

**XYZ(41.4322, 60.8075,
33.2202)**

Conversions

Conversions Part 1

Format	Color
Hex	87E189
RGB	135, 225, 137
RGB Percent	53%, 88%, 54%
CMY	0.4706, 0.1176, 0.4627
CMYK	0.40, 0.00, 0.39, 0.12
HSL	121°, 60%, 71%
HSV	121°, 40%, 88%
XYZ	41.4322, 60.8075, 33.2202
YIQ	188.0580, -25.3920, -46.4480

Conversions

Conversions Part 2

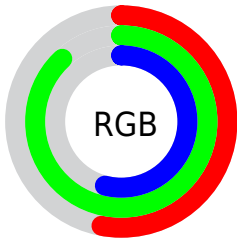
Format	Color
RYB	135, 223, 225
Decimal	8905097
CIELab	82.28, -44.49, 34.80
CIELCh	82, 56.480, 141.966
Yxy	60.8075, 0.3059, 0.4489
Android (android.graphics.Color)	4287095177 (0xFF87E189)
YUV	188.0580, -25.1716, -46.5319
Hunter-Lab	77.9792, -41.6222, 29.3271

Details

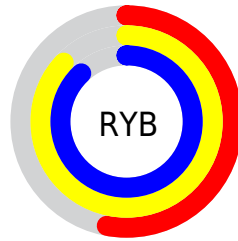
The XYZ color **41.4322, 60.8075, 33.2202** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **53.0364, 38.6642, 74.4815**, and the grayscale version is **47.9830, 50.4819, 54.9748**.

A 20% lighter version of the original color is **66.9022, 86.4881, 62.4580**, and **19.0921, 30.7101, 13.7255** is the 20% darker color. If you saturate the color by 10%, you get **36.7670, 58.5684, 25.5874**, and if you desaturate by 10%, it is **47.1872, 63.5748, 42.5861**.

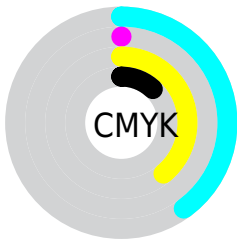
Distribution



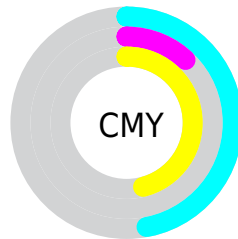
- Red (53%)
- Green (88%)
- Blue (54%)



- Red (53%)
- Yellow (87%)
- Blue (88%)



- Cyan (40%)
- Magenta (0%)
- Yellow (39%)
- Black (12%)





- Cyan (47%)
- Magenta (12%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.4322, 60.8075, 33.2202 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 41.4322, 60.8075, 33.2202 by changing the saturation by 10% instead.


 41.4322, 60.8075,
33.2202


 41.4322, 60.8075,
33.2202


343.1556,
427.5678, 331.3032


 28.8461, 44.0698,
22.0227


 76.6101, 106.0002,
65.8391

 19.1081, 30.7254,
13.6751


 99.9327, 135.2239,
88.0976

 11.8529, 20.3898,
7.7589


 127.5648,
169.3786, 114.8802

 6.7151, 12.6787,
3.8555

159.8717,
208.8484, 146.6054

 3.3293, 7.2077,
1.5464

197.2189,
254.0178, 183.6918

 1.3302, 3.5923,
0.2521

239.9717,

 0.2057, 1.4482,

305.2713, 226.5578

0.0000

288.4955,
362.9932, 275.6221

■ 0.0000, 0.2519,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.4322, 60.8075,
33.2202

■ 41.4322, 60.8075,
33.2202

■ 36.7670, 58.5684,
25.5874

■ 47.1872, 63.5748,
42.5861

■ 33.1188, 56.8169,
19.5777


■ 54.0899, 66.8927,
53.7781


■ 30.4130, 55.5189,
15.0749


■ 62.1994, 70.7915,
66.8873


■ 28.5630, 54.6325,
11.9457

■ 71.5694, 75.2972,
81.9976

 27.4663, 54.1083,
10.0334

 82.2507, 80.4341,
99.1879

 26.9539, 53.8639,
9.1199

 86.2165, 82.3329,
105.9555

Harmonies

Analogous

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



49.5724, 60.8075, 21.8323



41.4322, 60.8075, 33.2202



37.7937, 60.8075, 57.3798

Triad

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



41.4322, 60.8075, 33.2202



54.6244, 60.8075, 155.7867



81.9960, 60.8075, 44.4031

Complementary

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



41.4322, 60.8075, 33.2202



53.0364, 38.6642, 74.4815

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.



83.8421, 60.8075, 75.9005



41.4322, 60.8075, 33.2202



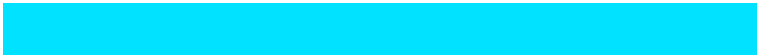
66.8815, 60.8075, 148.5488

Square

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



41.4322, 60.8075, 33.2202



44.6900, 60.8075, 133.2474



77.9837, 60.8075, 115.9538



73.2417, 60.8075, 26.5535

Rectangle

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



41.4322, 60.8075, 33.2202



38.0015, 60.8075, 80.9064



77.9837, 60.8075, 115.9538



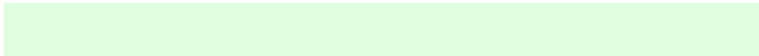
83.4897, 60.8075, 53.4090

Sweetspot

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



41.4337, 60.8101, 33.2216



80.2262, 92.8719, 84.9895



61.8868, 71.3704, 33.4359



16.8581, 19.7276, 17.6846



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.



41.4337, 60.8101, 33.2216



49.7657, 78.2324, 35.5183



45.3104, 62.3607, 53.6357



13.5411, 15.3422, 14.6186



15.5370, 31.0396, 5.2848



1.0814, 2.1533, 0.3896

Inverse Universe

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



53.0364, 38.6642, 74.4815



67.1876, 44.9716, 97.4654



47.8032, 36.5709, 46.9239



14.2812, 13.9301, 17.2508



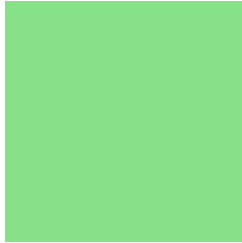
25.3431, 12.2042, 40.0680



1.7609, 0.8476, 2.7997

Previews

White Background



This preview shows how the XYZ color 41.4322, 60.8075, 33.2202 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 41.4322, 60.8075, 33.2202 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 41.4322, 60.8075, 33.2202

Background



This preview shows how black text looks on a background with the XYZ color 41.4322, 60.8075, 33.2202.

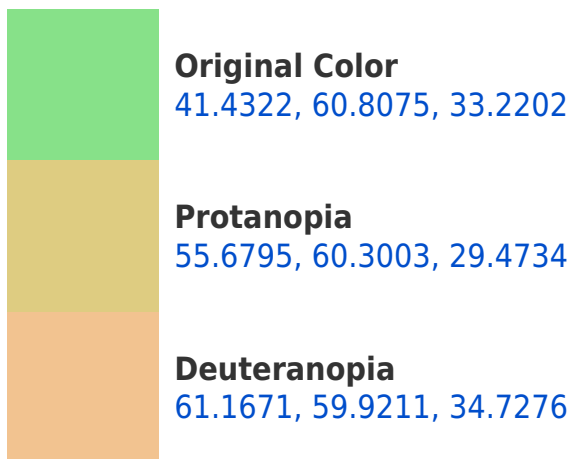


This preview shows how white text looks on a background with the XYZ color 41.4322, 60.8075,

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





Tritanopia

51.7968, 60.7327, 84.5939

Trichromacy



Original Color

41.4322, 60.8075, 33.2202



Protanomaly

48.9435, 59.7001, 30.7735



Deuteranomaly

51.5076, 58.7622, 33.8268



Tritanomaly

47.1821, 60.3771, 61.9905

Monochromacy



Original Color

41.4322, 60.8075, 33.2202



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

44.4103, 53.0729, 45.4395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4322, 60.8075, 33.2202 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(135, 225, 137)` looks like.

```
.text, #text, p{  
    color:rgb(135, 225, 137)  
}
```

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(135, 225, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 225, 137) }
```

Border

The CSS property to change the border of an element to XYZ 41.4322, 60.8075, 33.2202 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(135, 225, 137) }
```


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

```
.border{ border-color:rgb(135, 225, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 225, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 225, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 225, 137);  
box-shadow:4px 4px 4px 4px rgb(135, 225,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4322, 60.8075, 33.2202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 225, 137) }
```

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

```
.background{ background-color: rgb(135,  
225, 137) }
```

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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