

Converting Colors

XYZ(41.0339, 62.4874, 31.1153)

Have a look what the booklet for
XYZ(41.0339, 62.4874, 31.1153)
contains.

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Color

**XYZ(41.2282, 62.7945,
31.0667)**

Conversions

Conversions Part 1

Format	Color
Hex	80E682
RGB	128, 230, 130
RGB Percent	50%, 90%, 51%
CMY	0.4980, 0.0980, 0.4902
CMYK	0.44, 0.00, 0.43, 0.10
HSL	121°, 67%, 70%
HSV	121°, 44%, 90%
XYZ	41.2282, 62.7945, 31.0667
YIQ	188.1020, -28.6920, -52.7240

Conversions

Conversions Part 2

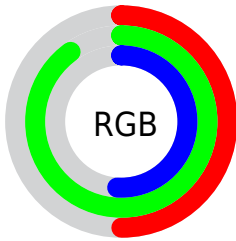
Format	Color
RYB	128, 228, 230
Decimal	8447618
CIELab	83.33, -49.67, 39.60
CIELCh	83, 63.526, 141.438
Yxy	62.7945, 0.3052, 0.4648
Android (android.graphics.Color)	4286637698 (0xFF80E682)
YUV	188.1020, -28.6443, -52.7095
Hunter-Lab	79.2430, -45.8060, 32.2258

Details

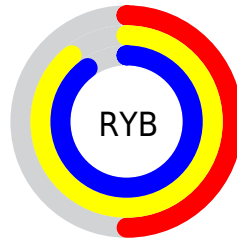
The XYZ color **41.2282, 62.7945, 31.0667** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **54.3579, 37.8640, 77.8444**, and the grayscale version is **48.0287, 50.5299, 55.0271**.

A 20% lighter version of the original color is **64.4193, 85.2950, 58.4157**, and **19.0731, 32.1387, 12.5953** is the 20% darker color. If you saturate the color by 10%, you get **36.8016, 60.6705, 23.8063**, and if you desaturate by 10%, it is **46.7737, 65.4607, 40.1133**.

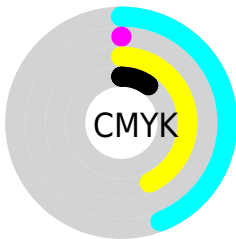
Distribution



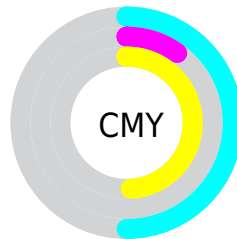
- Red (50%)
- Green (90%)
- Blue (51%)



- Red (50%)
- Yellow (89%)
- Blue (90%)



- Cyan (44%)
- Magenta (0%)
- Yellow (43%)
- Black (10%)



- Cyan (50%)
- Magenta (10%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2282, 62.7945, 31.0667 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 41.2282, 62.7945, 31.0667 by changing the saturation by 10% instead.

41.2282, 62.7945,
31.0667

41.2282, 62.7945,
31.0667

342.3198,
434.8233, 321.2062

28.6859, 45.6750,
20.3908

76.3027, 108.8730,
62.4259

18.9864, 31.9894,
12.4925

99.5656, 138.6007,
83.9462

11.7644, 21.3534,
6.9534

127.1328,
173.3000, 109.9184

6.6545, 13.3826,
3.3550

159.3696,
213.3552, 140.7610

3.2914, 7.6925,
1.2786

196.6413,
259.1508, 176.8925

1.3097, 3.8988,
0.0442

239.3133,

0.1904, 1.6171,

311.0710, 218.7315

0.0000

287.7510,
369.5004, 266.6966

■ 0.0000, 0.3691,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.2282, 62.7945,
31.0667

■ 41.2282, 62.7945,
31.0667

■ 36.8016, 60.6705,
23.8063

■ 46.7737, 65.4607,
40.1133

■ 33.4136, 59.0443,
18.2101


■ 53.5019, 68.6941,
51.0489

■ 30.9810, 57.8776,
14.1474


■ 61.4774, 72.5278,
63.9738


■ 29.4053, 57.1230,
11.4663

■ 70.7589, 76.9901,
78.9798

 28.5672, 56.7229,
9.9839

 81.4011, 82.1072,
96.1530

 28.3228, 56.6059,
9.5629

 87.5880, 85.0761,
106.4127

Harmonies

Analogous

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



50.4915, 62.7945, 19.1908



41.2282, 62.7945, 31.0667



37.0802, 62.7945, 57.6599

Triad

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



41.2282, 62.7945, 31.0667



55.8161, 62.7945, 174.5763



87.9842, 62.7945, 44.1639

Complementary

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



41.2282, 62.7945, 31.0667



54.3579, 37.8640, 77.8444

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.



89.9967, 62.7945, 80.3360



41.2282, 62.7945, 31.0667



69.9302, 62.7945, 166.4555

Square

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



41.2282, 62.7945, 31.0667



44.6087, 62.7945, 146.7876



82.9603, 62.7945, 127.6098



77.8230, 62.7945, 24.4673

Rectangle

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



41.2282, 62.7945, 31.0667



37.2491, 62.7945, 84.5980



82.9603, 62.7945, 127.6098



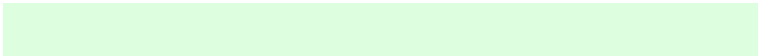
89.6925, 62.7945, 54.3669

Sweetspot

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



41.2298, 62.7971, 31.0681



79.0903, 92.3267, 83.1118



64.2859, 74.6984, 31.4525



16.4098, 19.5123, 16.9497



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.



41.2298, 62.7971, 31.0681



47.0290, 76.9200, 30.9442



45.5103, 64.5094, 53.6093



14.2007, 16.0937, 15.3219



16.0393, 32.0478, 5.4411



1.1893, 2.3698, 0.4235

Inverse Universe

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



54.3579, 37.8640, 77.8444



65.5644, 41.7073, 96.9797



48.3199, 35.4488, 46.0490



14.9823, 14.6101, 18.1070



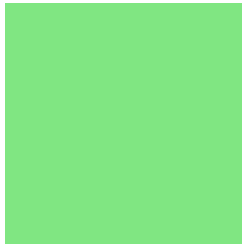
26.2127, 12.6193, 41.6104



1.9409, 0.9341, 3.0955

Previews

White Background



This preview shows how the XYZ color 41.2282, 62.7945, 31.0667 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 41.2282, 62.7945, 31.0667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

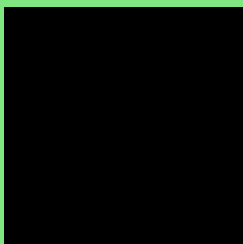
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

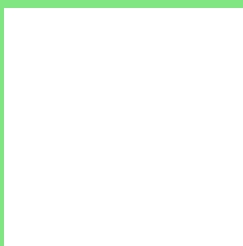
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.2282, 62.7945, 31.0667

Background



This preview shows how black text looks on a background with the XYZ color 41.2282, 62.7945, 31.0667.

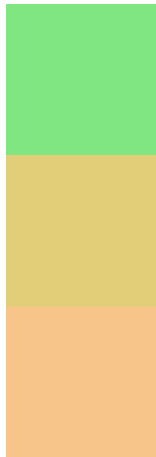


This preview shows how white text looks on a background with the XYZ color 41.2282, 62.7945,

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

41.2282, 62.7945, 31.0667

Protanopia

56.8865, 61.6918, 26.9986

Deuteranopia

62.9115, 61.5416, 32.6077



Tritanopia

52.6445, 62.6250, 87.9104

Trichromacy



Original Color

41.2282, 62.7945, 31.0667



Protanomaly

49.1737, 61.0033, 28.2519



Deuteranomaly

52.0755, 60.1876, 31.7944



Tritanomaly

47.3546, 62.0246, 62.2994

Monochromacy



Original Color

41.2282, 62.7945, 31.0667



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

44.0569, 53.6089, 44.5847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2282, 62.7945, 31.0667 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(128, 230, 130)` looks like.

```
.text, #text, p{  
    color:rgb(128, 230, 130)  
}
```

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(128, 230, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 230, 130) }
```

Border

The CSS property to change the border of an element to XYZ 41.2282, 62.7945, 31.0667 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(128, 230, 130) }
```


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

```
.border{ border-color:rgb(128, 230, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 230, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 230, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 230, 130);  
box-shadow:4px 4px 4px 4px rgb(128, 230,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2282, 62.7945, 31.0667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 230, 130) }
```

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

```
.background{ background-color: rgb(128,  
230, 130) }
```

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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