

Converting Colors

XYZ(41.2344, 62.6970, 30.1078)

Have a look what the booklet for
XYZ(41.2344, 62.6970, 30.1078)
contains.

XYZ(41.3335, 62.8718, 30.0356)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.3335, 62.8718,
30.0356)**

Conversions

Conversions Part 1

Format	Color
Hex	82E67F
RGB	130, 230, 127
RGB Percent	51%, 90%, 50%
CMY	0.4902, 0.0980, 0.5020
CMYK	0.43, 0.00, 0.45, 0.10
HSL	118°, 67%, 70%
HSV	118°, 45%, 90%
XYZ	41.3335, 62.8718, 30.0356
YIQ	188.3580, -26.5370, -53.2330

Conversions

Conversions Part 2

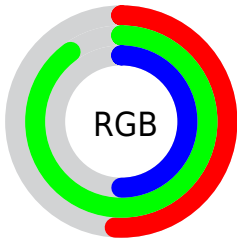
Format	Color
RYB	127, 230, 227
Decimal	8578687
CIELab	83.37, -49.53, 41.14
CIELCh	83, 64.387, 140.283
Yxy	62.8718, 0.3079, 0.4684
Android (android.graphics.Color)	4286768767 (0xFF82E67F)
YUV	188.3580, -30.2495, -51.1800
Hunter-Lab	79.2917, -45.7114, 33.0452

Details

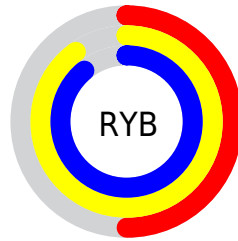
The XYZ color **41.3335, 62.8718, 30.0356** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **53.5539, 37.2248, 79.2288**, and the grayscale version is **48.1825, 50.6918, 55.2033**.

A 20% lighter version of the original color is **64.5940, 85.4210, 56.7995**, and **19.1130, 32.1716, 12.0399** is the 20% darker color. If you saturate the color by 10%, you get **36.9411, 60.7632, 22.8788**, and if you desaturate by 10%, it is **46.8144, 65.5058, 39.0320**.

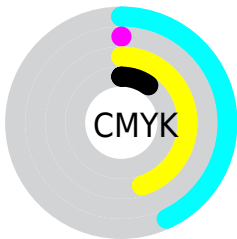
Distribution



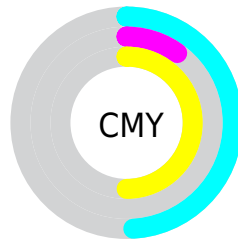
- Red (51%)
- Green (90%)
- Blue (50%)



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



- Cyan (43%)
- Magenta (0%)
- Yellow (45%)
- Black (10%)





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3335, 62.8718, 30.0356 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 41.3335, 62.8718, 30.0356 by changing the saturation by 10% instead.


 41.3335, 62.8718,
30.0356


 41.3335, 62.8718,
30.0356


342.7514,
435.1041, 316.2828


 28.7686, 45.7375,
19.6133


 76.4614, 108.9845,
60.7801

 19.0492, 32.0387,
11.9330


 99.7551, 138.7318,
81.9395

 11.8101, 21.3911,
6.5761


 127.3558,
173.4521, 107.5150

 6.6858, 13.4102,
3.1240

159.6288,
213.5299, 137.9251

 3.3109, 7.7116,
1.1583

196.9395,
259.3496, 173.5884

 1.3202, 3.9110,
0.0000

239.6533,

 0.1983, 1.6239,

311.2956, 214.9234

0.0000

288.1355,
369.7523, 262.3487

■ 0.0000, 0.3736,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.3335, 62.8718,
30.0356

■ 41.3335, 62.8718,
30.0356

■ 36.9411, 60.7632,
22.8788

■ 46.8144, 65.5058,
39.0320

■ 33.5605, 59.1375,
17.4308


■ 53.4449, 68.6884,
49.9784


■ 31.1122, 57.9587,
13.5505


■ 61.2867, 72.4514,
62.9814


■ 29.5031, 57.1823,
11.0725

■ 70.3961, 76.8214,
78.1387

 28.6204, 56.7547,
9.7941

 80.8257, 81.8237,
95.5419

 28.3819, 56.6394,
9.4366

 87.5881, 85.0762,
106.4127

Harmonies

Analogous

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



50.8943, 62.8718, 18.5847



41.3335, 62.8718, 30.0356



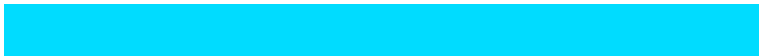
36.9375, 62.8718, 56.2398

Triad

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



41.3335, 62.8718, 30.0356



55.3240, 62.8718, 176.1813



88.7660, 62.8718, 45.0365

Complementary

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



41.3335, 62.8718, 30.0356



53.5539, 37.2248, 79.2288

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.



90.4487, 62.8718, 82.3259



41.3335, 62.8718, 30.0356



69.5948, 62.8718, 169.3628

Square

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



41.3335, 62.8718, 30.0356



44.1393, 62.8718, 146.6360



82.9756, 62.8718, 130.5618



78.6841, 62.8718, 24.5983

Rectangle

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



41.3335, 62.8718, 30.0356



36.9711, 62.8718, 83.1789



82.9756, 62.8718, 130.5618



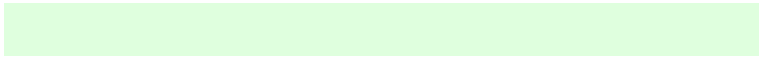
90.3877, 62.8718, 55.5830

Sweetspot

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



41.3351, 62.8744, 30.0370



79.2991, 92.4445, 82.6659



63.8175, 73.0600, 30.8181



16.4604, 19.5408, 16.8417



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.



41.3351, 62.8744, 30.0370



46.9169, 76.8987, 29.2924



44.7957, 64.2063, 50.6257



14.2279, 16.1090, 15.2639



16.0851, 32.0737, 5.3431



1.2024, 2.3772, 0.3955

Inverse Universe

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



53.5539, 37.2248, 79.2288



64.2271, 40.5204, 99.0438



48.6613, 35.3780, 48.4858



14.9515, 14.5927, 18.1730



25.3872, 12.1535, 43.3910



1.8892, 0.9049, 3.2071

Previews

White Background



This preview shows how the XYZ color 41.3335, 62.8718, 30.0356 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 41.3335, 62.8718, 30.0356 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 41.3335, 62.8718, 30.0356

Background



This preview shows how black text looks on a background with the XYZ color 41.3335, 62.8718, 30.0356.



This preview shows how white text looks on a background with the XYZ color 41.3335, 62.8718,

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

41.3335, 62.8718, 30.0356

Protanopia

57.2614, 62.2645, 26.1398

Deuteranopia

63.0508, 61.6382, 31.4959



Tritanopia

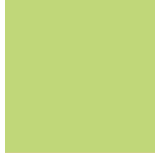
53.0157, 62.8164, 87.9278

Trichromacy



Original Color

41.3335, 62.8718, 30.0356



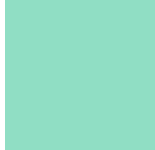
Protanomaly

49.4899, 61.1878, 27.2912



Deuteranomaly

52.1422, 60.2460, 30.7103



Tritanomaly

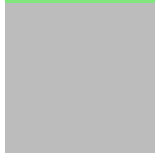
47.5867, 62.1574, 61.7140

Monochromacy



Original Color

41.3335, 62.8718, 30.0356



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

44.1752, 53.6805, 44.1095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3335, 62.8718, 30.0356 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(130, 230, 127)` looks like.

```
.text, #text, p{  
    color:rgb(130, 230, 127)  
}
```

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(130, 230, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 230, 127) }
```

Border

The CSS property to change the border of an element to XYZ 41.3335, 62.8718, 30.0356 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(130, 230, 127) }
```


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

```
.border{ border-color:rgb(130, 230, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 230, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 230, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 230, 127);  
box-shadow:4px 4px 4px 4px rgb(130, 230,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3335, 62.8718, 30.0356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 230, 127) }
```

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

```
.background{ background-color: rgb(130,  
230, 127) }
```

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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