

Converting Colors

XYZ(42.7549, 62.2348, 36.4927)

Have a look what the booklet for
XYZ(42.7549, 62.2348, 36.4927)
contains.

XYZ(42.7333, 62.2167, 36.5448)	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(42.7333, 62.2167,
36.5448)**

Conversions

Conversions Part 1

Format	Color
Hex	88E391
RGB	136, 227, 145
RGB Percent	53%, 89%, 57%
CMY	0.4667, 0.1098, 0.4314
CMYK	0.40, 0.00, 0.36, 0.11
HSL	126°, 62%, 71%
HSV	126°, 40%, 89%
XYZ	42.7333, 62.2167, 36.5448
YIQ	190.4430, -27.9140, -44.7940

Conversions

Conversions Part 2

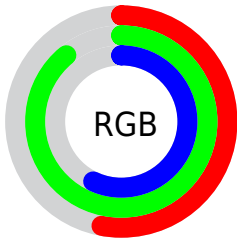
Format	Color
RYB	136, 219, 227
Decimal	8971153
CIELab	83.03, -43.81, 31.75
CIELCh	83, 54.101, 144.067
Yxy	62.2167, 0.3020, 0.4397
Android (android.graphics.Color)	4287161233 (0xFF88E391)
YUV	190.4430, -22.4034, -47.7465
Hunter-Lab	78.8776, -41.3302, 27.7446

Details

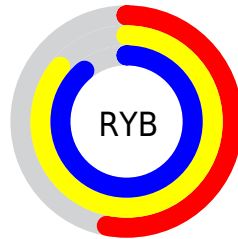
The XYZ color **42.7333, 62.2167, 36.5448** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **53.1397, 39.0025, 71.0596**, and the grayscale version is **49.3372, 51.9066, 56.5263**.

A 20% lighter version of the original color is **68.1776, 87.0276, 67.8482**, and **19.8916, 31.6394, 15.6483** is the 20% darker color. If you saturate the color by 10%, you get **37.9919, 59.9404, 28.8180**, and if you desaturate by 10%, it is **48.5426, 65.0143, 45.8066**.

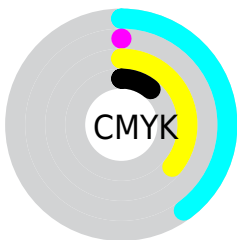
Distribution



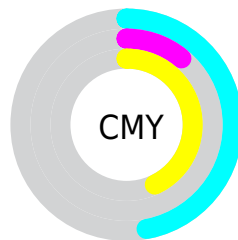
- Red (53%)
- Green (89%)
- Blue (57%)



- Red (53%)
- Yellow (86%)
- Blue (89%)



- Cyan (40%)
- Magenta (0%)
- Yellow (36%)
- Black (11%)



- Cyan (47%)
- Magenta (11%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7333, 62.2167, 36.5448 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 42.7333, 62.2167, 36.5448 by changing the saturation by 10% instead.

■ 42.7333, 62.2167,
36.5448

■ 42.7333, 62.2167,
36.5448

348.4539,
432.7211, 346.4447

■ 29.8695, 45.2078,
24.5622

■ 78.5665, 108.0387,
71.0506

■ 19.8872, 31.6212,
15.5352

■ 102.2666,
137.6205, 94.4109

■ 12.4208, 21.0723,
9.0450

■ 130.3095,
172.1622, 122.4009

■ 7.1052, 13.1769,
4.6734

163.0606,
212.0480, 155.4391

■ 3.5749, 7.5504,
2.0016

200.8853,
257.6624, 193.9440

■ 1.4646, 3.8087,
0.5562

244.1488,

■ 0.3015, 1.5671,

309.3898, 238.3342

0.0000

293.2166,
367.6146, 289.0283

■ 0.0000, 0.3353,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.7333, 62.2167,
36.5448

■ 42.7333, 62.2167,
36.5448

■ 37.9919, 59.9404,
28.8180

■ 48.5426, 65.0143,
45.8066

■ 34.2488, 58.1458,
22.5394


■ 55.4745, 68.3545,
56.6757


■ 31.4332, 56.8003,
17.6200


■ 63.5857, 72.2666,
69.2247


■ 29.4636, 55.8639,
13.9592

■ 72.9276, 76.7758,
83.5207

 28.2433, 55.2892,
11.4426

 83.5485, 81.9056,
99.6270

 27.6195, 55.0002,
9.9425

 86.7603, 83.4205,
106.1368

Harmonies

Analogous

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



50.4313, 62.2167, 24.3162



42.7333, 62.2167, 36.5448



39.4713, 62.2167, 61.3027

Triad

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



42.7333, 62.2167, 36.5448



56.8412, 62.2167, 154.1016



82.1332, 62.2167, 44.7297

Complementary

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



42.7333, 62.2167, 36.5448



53.1397, 39.0025, 71.0596

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.



84.4377, 62.2167, 74.6201



42.7333, 62.2167, 36.5448



68.7868, 62.2167, 145.1930

Square

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



42.7333, 62.2167, 36.5448



46.8970, 62.2167, 134.4067



79.2738, 62.2167, 112.9959



73.3361, 62.2167, 27.8354

Rectangle

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



42.7333, 62.2167, 36.5448



39.8958, 62.2167, 84.6316



79.2738, 62.2167, 112.9959



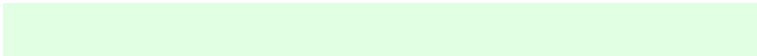
83.7374, 62.2167, 53.2661

Sweetspot

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



42.7349, 62.2193, 36.5462



80.5487, 93.0009, 86.6877



61.2545, 71.8436, 33.9319



16.9332, 19.7577, 18.0803



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.



42.7349, 62.2193, 36.5462



50.4580, 78.5093, 39.1638



46.8186, 63.8528, 58.0506



14.2470, 16.1122, 15.5652



16.1264, 32.0827, 5.9002



1.2115, 2.3787, 0.5401

Inverse Universe

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



53.1397, 39.0025, 71.0596



65.7345, 44.3904, 89.8136



48.1164, 36.9932, 44.6076



14.9304, 14.5894, 17.8341



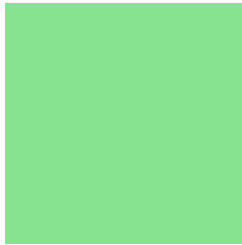
24.8944, 12.0920, 34.6686



1.8575, 0.9007, 2.6562

Previews

White Background



This preview shows how the XYZ color 42.7333, 62.2167, 36.5448 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 42.7333, 62.2167, 36.5448 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 42.7333, 62.2167, 36.5448

Background



This preview shows how black text looks on a background with the XYZ color 42.7333, 62.2167, 36.5448.



This preview shows how white text looks on a background with the XYZ color 42.7333, 62.2167,

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

42.7333, 62.2167, 36.5448

Protanopia

56.9467, 61.6082, 32.1827

Deuteranopia

62.5959, 61.2542, 38.2298



Tritanopia

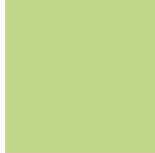
52.7336, 61.9223, 87.0147

Trichromacy



Original Color

42.7333, 62.2167, 36.5448



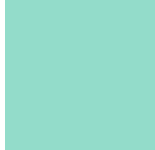
Protanomaly

50.1926, 61.0336, 33.5613



Deuteranomaly

52.8825, 60.1190, 37.2507



Tritanomaly

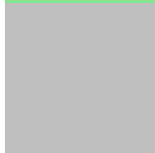
48.2865, 61.6537, 65.2325

Monochromacy



Original Color

42.7333, 62.2167, 36.5448



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

45.5735, 54.3139, 48.1261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7333, 62.2167, 36.5448 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(136, 227, 145)` looks like.

```
.text, #text, p{  
    color:rgb(136, 227, 145)  
}
```

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(136, 227, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 227, 145) }
```

Border

The CSS property to change the border of an element to XYZ 42.7333, 62.2167, 36.5448 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(136, 227, 145) }
```


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

```
.border{ border-color:rgb(136, 227, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 227, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 227, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 227, 145); box-shadow:4px 4px 4px 4px rgb(136, 227, 145) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7333, 62.2167, 36.5448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 227, 145) }
```

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

```
.background{ background-color: rgb(136,  
227, 145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor