

Converting Colors

XYZ(38.5757, 62.3528, 27.7732)

Have a look what the booklet for
XYZ(38.5757, 62.3528, 27.7732)
contains.

| | |
|--|----|
| XYZ(38.5535, 62.3205, 27.7664) | 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(38.5535, 62.3205,
27.7664)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 6DE878 |
| RGB | 109, 232, 120 |
| RGB Percent | 43%, 91%, 47% |
| CMY | 0.5725, 0.0902, 0.5294 |
| CMYK | 0.53, 0.00, 0.48, 0.09 |
| HSL | 125°, 73%, 67% |
| HSV | 125°, 53%, 91% |
| XYZ | 38.5535, 62.3205, 27.7664 |
| YIQ | 182.4550, -37.3560, -60.9080 |

Conversions

Conversions Part 2

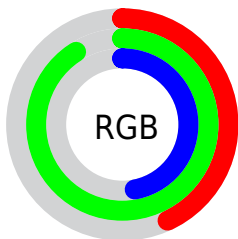
| Format | Color |
|-------------------------------------|--|
| RYB | 109, 222, 232 |
| Decimal | 7202936 |
| CIELab | 83.08, -56.96, 44.01 |
| CIELCh | 83, 71.980, 142.313 |
| Yxy | 62.3205, 0.2997, 0.4845 |
| Android (android.graphics.Color) | 4285393016 (0xFF6DE878) |
| YUV | 182.4550, -30.7903, -64.4200 |
| Hunter-Lab | 78.9433, -50.9769, 34.4065 |

Details

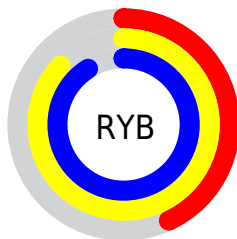
The XYZ color **38.5535, 62.3205, 27.7664** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **51.8004, 33.3147, 72.1087**, and the grayscale version is **44.8905, 47.2283, 51.4316**.

A 20% lighter version of the original color is **59.5484, 82.9008, 52.9073**, and **17.3282, 31.5695, 10.6491** is the 20% darker color. If you saturate the color by 10%, you get **34.9236, 60.5832, 21.6268**, and if you desaturate by 10%, it is **43.2224, 64.5644, 35.4336**.

Distribution



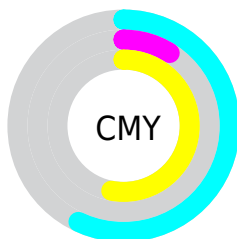
- Red (43%)
- Green (91%)
- Blue (47%)



- Red (43%)
- Yellow (87%)
- Blue (91%)



- Cyan (53%)
- Magenta (0%)
- Yellow (48%)
- Black (9%)



- Cyan (57%)
- Magenta (9%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5535, 62.3205, 27.7664 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 38.5535, 62.3205, 27.7664 by changing the saturation by 10% instead.

■ 38.5535, 62.3205,
27.7664

■ 38.5535, 62.3205,
27.7664

331.2284,
433.0992, 305.2257

■ 26.5917, 45.2917,
17.9121

■ 72.2542, 108.1886,
57.1299

■ 17.4018, 31.6873,
10.7181

■ 94.7238, 137.7967,
77.4762

■ 10.6185, 21.1227,
5.7659

■ 121.4267,
172.3667, 102.1569

■ 5.8763, 13.2138,
2.6368

152.7282,
212.2831, 131.5906

■ 2.8100, 7.5759,
0.9113

188.9938,
257.9301, 166.1958

■ 1.0541, 3.8248,
0.0000

230.5888,

■ 0.0000, 1.5760,

309.6922, 206.3910

0.0000

277.8786,
367.9538, 252.5948

0.0000, 0.3414,
0.0000

0.0000, 0.0000,
0.0000

38.5535, 62.3205,
27.7664

38.5535, 62.3205,
27.7664

34.9236, 60.5832,
21.6268

43.2224, 64.5644,
35.4336

32.2486, 59.3058,
16.9088


48.9969, 67.3418,
44.7167


30.4390, 58.4465,
13.4993


55.9433, 70.6868,
55.7023


29.3858, 57.9519,
11.2665

64.1214, 74.6287,
68.4697

 28.9909, 57.7689,
10.3200

 73.5870, 79.1945,
83.0931

 84.3924, 84.4097,
99.6425

 88.1478, 86.1956,
106.5993

Harmonies

Analogous

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



48.5752, 62.3205, 15.4174



38.5535, 62.3205, 27.7664



34.2347, 62.3205, 57.0172

Triad

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



38.5535, 62.3205, 27.7664



55.3171, 62.3205, 193.2926



91.4855, 62.3205, 40.2233

Complementary

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



38.5535, 62.3205, 27.7664



51.8004, 33.3147, 72.1087

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.



94.1475, 62.3205, 79.9890



38.5535, 62.3205, 27.7664



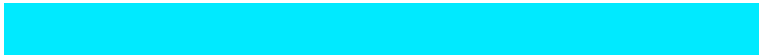
71.3475, 62.3205, 182.1575

Square

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



38.5535, 62.3205, 27.7664



42.7458, 62.3205, 160.8821



86.2362, 62.3205, 134.9615



79.4949, 62.3205, 20.0963

Rectangle

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



38.5535, 62.3205, 27.7664



34.5268, 62.3205, 87.8398



86.2362, 62.3205, 134.9615



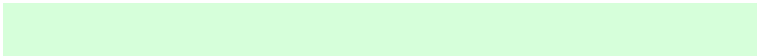
93.5770, 62.3205, 51.1599

Sweetspot

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



38.5550, 62.3231, 27.7678



76.1851, 90.9003, 79.7564



61.6671, 74.3106, 25.5616



15.8518, 19.2371, 16.3616



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.



38.5550, 62.3231, 27.7678



42.7759, 74.8339, 25.9340



43.4799, 64.2930, 53.7015



14.2414, 16.1100, 15.5360



16.1133, 32.0774, 5.8312



1.2088, 2.3776, 0.5262

Inverse Universe

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



51.8004, 33.3147, 72.1087



60.8380, 35.1949, 86.3392



45.1162, 30.6410, 36.9101



14.9366, 14.5918, 17.8665



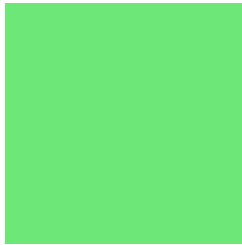
25.0443, 12.1519, 35.4577



1.8671, 0.9045, 2.7065

Previews

White Background



This preview shows how the XYZ color 38.5535, 62.3205, 27.7664 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 38.5535, 62.3205, 27.7664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

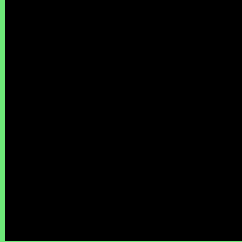
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.5535, 62.3205, 27.7664

Background



This preview shows how black text looks on a background with the XYZ color 38.5535, 62.3205, 27.7664.



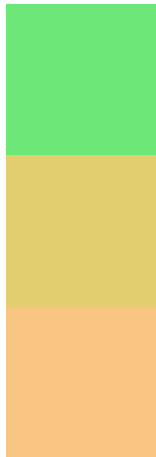
This preview shows how white text looks on a background with the XYZ color 38.5535, 62.3205,

27.7664.

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

38.5535, 62.3205, 27.7664

Protanopia

56.3046, 61.4591, 23.9341

Deuteranopia

62.4138, 61.0213, 29.2576



Tritanopia

50.7709, 62.0117, 89.4143

Trichromacy



Original Color

38.5535, 62.3205, 27.7664



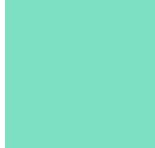
Protanomaly

46.8661, 59.8831, 25.0081



Deuteranomaly

49.5923, 58.9776, 28.5087



Tritanomaly

44.9974, 61.6420, 60.5654

Monochromacy



Original Color

38.5535, 62.3205, 27.7664



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

40.4299, 50.7803, 40.4716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5535, 62.3205, 27.7664 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(109, 232, 120)` looks like.

```
.text, #text, p{  
    color:rgb(109, 232, 120)  
}
```

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(109, 232, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 232, 120) }
```

Border

The CSS property to change the border of an element to XYZ 38.5535, 62.3205, 27.7664 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(109, 232, 120) }
```


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

```
.border{ border-color:rgb(109, 232, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 232, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 232, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 232, 120);  
box-shadow:4px 4px 4px 4px rgb(109, 232,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5535, 62.3205, 27.7664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 232, 120) }
```

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

```
.background{ background-color: rgb(109,  
232, 120) }
```

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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