

Converting Colors

XYZ(38.7305, 60.3817, 25.3684)

Have a look what the booklet for
XYZ(38.7305, 60.3817, 25.3684)
contains.

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Color

**XYZ(38.7619, 60.4155,
25.2412)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 7CE371 |
| RGB | 124, 227, 113 |
| RGB Percent | 49%, 89%, 44% |
| CMY | 0.5137, 0.1098, 0.5569 |
| CMYK | 0.45, 0.00, 0.50, 0.11 |
| HSL | 114°, 67%, 67% |
| HSV | 114°, 50%, 89% |
| XYZ | 38.7619, 60.4155, 25.2412 |
| YIQ | 183.2070, -24.7940, -57.2900 |

Conversions

Conversions Part 2

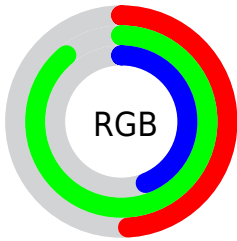
| Format | Color |
|-------------------------------------|--|
| RYB | 113, 227, 216 |
| Decimal | 8184689 |
| CIELab | 82.06, -51.90, 46.21 |
| CIElCh | 82, 69.493, 138.316 |
| Yxy | 60.4155, 0.3115, 0.4856 |
| Android (android.graphics.Color) | 4286374769 (0xFF7CE371) |
| YUV | 183.2070, -34.6121, -51.9245 |
| Hunter-Lab | 77.7274, -47.0068, 35.1554 |

Details

The XYZ color **38.7619, 60.4155, 25.2412** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **48.0922, 31.9573, 76.3099**, and the grayscale version is **45.3185, 47.6786, 51.9220**.

A 20% lighter version of the original color is **62.0265, 84.2551, 49.5529**, and **17.5852, 30.5866, 9.3918** is the 20% darker color. If you saturate the color by 10%, you get **34.9786, 58.5966, 19.2073**, and if you desaturate by 10%, it is **43.4843, 62.6852, 32.9899**.

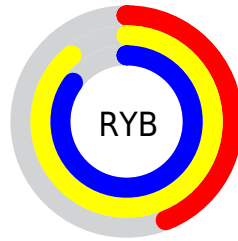
Distribution



Red (49%)

Green (89%)

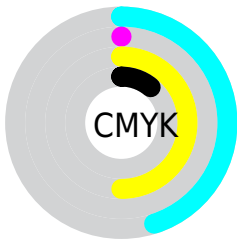
Blue (44%)



Red (44%)

Yellow (89%)

Blue (85%)

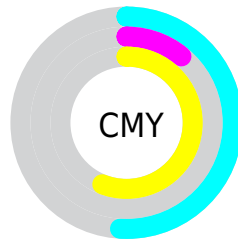


Cyan (45%)

Magenta (0%)

Yellow (50%)

Black (11%)



Cyan (51%)


Magenta (11%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7619, 60.4155, 25.2412 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 38.7619, 60.4155, 25.2412 by changing the saturation by 10% instead.


 38.7619, 60.4155,
25.2412


 38.7619, 60.4155,
25.2412


332.1018,
426.1276, 292.5230


 26.7544, 43.7536,
16.0362


 72.5708, 105.4322,
53.0172

 17.5245, 30.4769,
9.3951


 95.1030, 134.5558,
72.4253

 10.7068, 20.2008,
4.8995


 121.8742,
168.6020, 96.0715

 5.9359, 12.5411,
2.1307

153.2497,
207.9554, 124.3744

 2.8464, 7.1133,
0.6340

189.5948,
253.0002, 157.7524

 1.0731, 3.5331,
0.0000

231.2749,

 0.0024, 1.4160,

304.1210, 196.6242

0.0000

278.6555,
361.7019, 241.4082

■ 0.0000, 0.2284,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.7619, 60.4155,
25.2412

■ 38.7619, 60.4155,
25.2412

■ 34.9786, 58.5966,
19.2073

■ 43.4843, 62.6852,
32.9899

■ 32.0671, 57.1912,
14.7543


■ 49.1983, 65.4248,
42.5657


■ 29.9582, 56.1687,
11.7354


■ 55.9578, 68.6617,
54.0761

■ 28.5702, 55.4907,
9.9743

■ 63.8115, 72.4188,
67.6192

 27.7989, 55.1100,
9.1721

 72.8052, 76.7178,
83.2864

 82.9817, 81.5788,
101.1637

 86.7603, 83.4206,
106.1368

Harmonies

Analogous

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



48.9743, 60.4155, 14.9169



38.7619, 60.4155, 25.2412



33.9133, 60.4155, 50.6854

Triad

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



38.7619, 60.4155, 25.2412



51.8765, 60.4155, 181.4770



88.7256, 60.4155, 43.4420

Complementary

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



38.7619, 60.4155, 25.2412



48.0922, 31.9573, 76.3099

Split Complementary

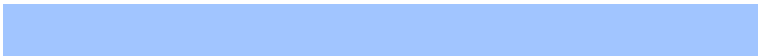
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.8640, 60.4155, 83.6134



38.7619, 60.4155, 25.2412



66.7917, 60.4155, 176.7410

Square

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



38.7619, 60.4155, 25.2412



40.5724, 60.4155, 146.8580



81.2787, 60.4155, 135.8117



78.3924, 60.4155, 21.8967

Rectangle

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



38.7619, 60.4155, 25.2412



33.7102, 60.4155, 78.2258



81.2787, 60.4155, 135.8117



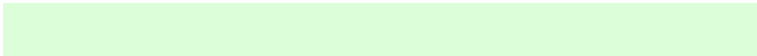
90.2541, 60.4155, 54.7336

Sweetspot

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



38.7634, 60.4181, 25.2425



77.9004, 91.8011, 79.0889



59.1154, 66.4332, 25.3309



16.2159, 19.4301, 16.1394



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.



38.7634, 60.4181, 25.2425



45.4621, 76.2446, 24.8909



40.5044, 60.9410, 42.2489



14.3176, 16.1553, 15.2681



16.2552, 32.1613, 5.3510



1.2454, 2.3994, 0.3975

Inverse Universe

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



48.0922, 31.9573, 76.3099



58.8183, 35.2901, 98.3194



45.9674, 31.4954, 47.5902



14.8509, 14.5409, 18.1683



22.8407, 10.8407, 43.2718



1.7279, 0.8217, 3.1995

Previews

White Background



This preview shows how the XYZ color 38.7619, 60.4155, 25.2412 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 38.7619, 60.4155, 25.2412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

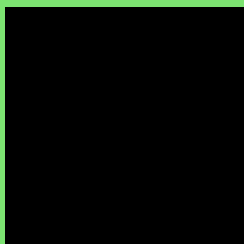
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

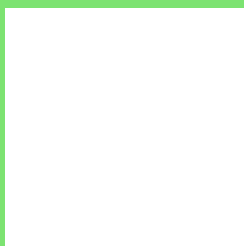
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7619, 60.4155, 25.2412

Background



This preview shows how black text looks on a background with the XYZ color 38.7619, 60.4155, 25.2412.

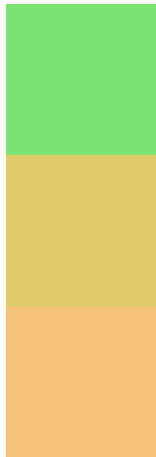


This preview shows how white text looks on a background with the XYZ color 38.7619, 60.4155,

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

38.7619, 60.4155, 25.2412

Protanopia

54.6462, 59.5791, 21.9844

Deuteranopia

60.7490, 59.5569, 26.3830



Tritanopia

50.5030, 60.0657, 84.5334

Trichromacy



Original Color

38.7619, 60.4155, 25.2412



Protanomaly

46.9893, 58.8610, 23.0721



Deuteranomaly

49.6984, 58.0072, 25.7167



Tritanomaly

45.0561, 59.7828, 56.7415

Monochromacy



Original Color

38.7619, 60.4155, 25.2412



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

41.4953, 50.9969, 40.0041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7619, 60.4155, 25.2412 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(124, 227, 113)` looks like.

```
.text, #text, p{  
    color:rgb(124, 227, 113)  
}
```

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(124, 227, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 227, 113) }
```

Border

The CSS property to change the border of an element to XYZ 38.7619, 60.4155, 25.2412 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(124, 227, 113) }
```


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

```
.border{ border-color:rgb(124, 227, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 227, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 227, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 227, 113);  
box-shadow:4px 4px 4px 4px rgb(124, 227,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7619, 60.4155, 25.2412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 227, 113) }
```

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

```
.background{ background-color: rgb(124,  
227, 113) }
```

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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