

Converting Colors

XYZ(37.5339, 60.5449, 27.7973)

Have a look what the booklet for
XYZ(37.5339, 60.5449, 27.7973)
contains.

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Color

**XYZ(37.5339, 60.5449,
27.7973)**

Conversions

Conversions Part 1

Format	Color
Hex	6BE579
RGB	107, 229, 121
RGB Percent	42%, 90%, 47%
CMY	0.5804, 0.1019, 0.5255
CMYK	0.53, 0.00, 0.47, 0.10
HSL	127°, 70%, 66%
HSV	127°, 53%, 90%
XYZ	37.5339, 60.5449, 27.7973
YIQ	180.2100, -38.0440, -59.4520

Conversions

Conversions Part 2

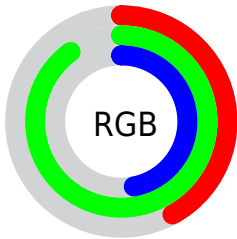
Format	Color
RYB	107, 216, 229
Decimal	7071097
CIELab	82.13, -56.16, 42.32
CIElCh	82, 70.319, 142.999
Yxy	60.5449, 0.2982, 0.4810
Android (android.graphics.Color)	4285261177 (0xFF6BE579)
YUV	180.2100, -29.1905, -64.2052
Hunter-Lab	77.8106, -50.0646, 33.2865

Details

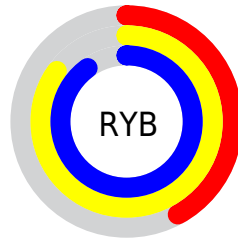
The XYZ color **37.5339, 60.5449, 27.7973** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **49.8383, 32.0807, 67.8569**, and the grayscale version is **43.6631, 45.9370, 50.0254**.

A 20% lighter version of the original color is **59.2237, 82.7221, 53.4030**, and **16.7331, 30.3984, 10.7799** is the 20% darker color. If you saturate the color by 10%, you get **34.0215, 58.8648, 21.8118**, and if you desaturate by 10%, it is **42.0395, 62.7103, 35.1954**.

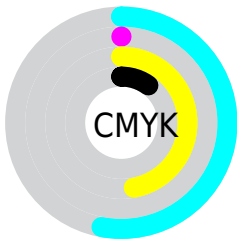
Distribution



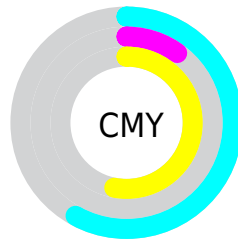
- Red (42%)
- Green (90%)
- Blue (47%)



- Red (42%)
- Yellow (85%)
- Blue (90%)



- Cyan (53%)
- Magenta (0%)
- Yellow (47%)
- Black (10%)



- Cyan (58%)
- Magenta (10%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5339, 60.5449, 27.7973 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 37.5339, 60.5449, 27.7973 by changing the saturation by 10% instead.

■ 37.5339, 60.5449,
27.7973

■ 37.5339, 60.5449,
27.7973

326.9318,
426.6034, 305.3785

■ 25.7967, 43.8580,
17.9352

■ 70.7017, 105.6197,
57.1799

■ 16.8035, 30.5589,
10.7345

■ 92.8630, 134.7764,
77.5374

■ 10.1889, 20.2632,
5.7767

■ 119.2297,
168.8585, 102.2305

■ 5.5876, 12.5865,
2.6432

150.1672,
208.2503, 131.6777

■ 2.6342, 7.1444,
0.9146

186.0407,
253.3363, 166.2976

■ 0.9634, 3.5526,
0.0000

227.2158,

■ 0.0000, 1.4266,

304.5009, 206.5086

0.0000

274.0577,
362.1285, 252.7294

0.0000, 0.2362,
0.0000

0.0000, 0.0000,
0.0000

37.5339, 60.5449,
27.7973

37.5339, 60.5449,
27.7973

34.0215, 58.8648,
21.8118

42.0395, 62.7103,
35.1954

31.4223, 57.6255,
17.1453


47.6014, 65.3866,
44.0839


29.6515, 56.7870,
13.6991


54.2826, 68.6064,
54.5397


28.6056, 56.2986,
11.3589

62.1399, 72.3975,
66.6331

 28.2101, 56.1169,
10.3387

 71.2264, 76.7857,
80.4304

 81.5917, 81.7955,
95.9940

 87.3105, 84.5210,
106.3202

Harmonies

Analogous

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



47.0451, 60.5449, 15.5165



37.5339, 60.5449, 27.7973



33.5018, 60.5449, 56.4036

Triad

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



37.5339, 60.5449, 27.7973



54.1184, 60.5449, 185.7863



88.2140, 60.5449, 38.7409

Complementary

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



37.5339, 60.5449, 27.7973



49.8383, 32.0807, 67.8569

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.



90.9911, 60.5449, 76.4576



37.5339, 60.5449, 27.7973



69.5038, 60.5449, 174.2219

Square

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



37.5339, 60.5449, 27.7973



41.9441, 60.5449, 155.7647



83.6445, 60.5449, 128.7950



76.6044, 60.5449, 19.6575

Rectangle

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



37.5339, 60.5449, 27.7973



33.8667, 60.5449, 86.1939



83.6445, 60.5449, 128.7950



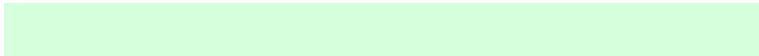
90.2851, 60.5449, 49.1091

Sweetspot

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



37.5354, 60.5474, 27.7987



76.3207, 90.9545, 80.4703



59.2314, 71.8243, 24.6518



15.8836, 19.2498, 16.5292



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.



37.5354, 60.5474, 27.7987



42.9971, 74.9224, 27.0990



42.3429, 62.4704, 53.1148



14.2563, 16.1159, 15.6142



16.1507, 32.0924, 6.0280



1.2159, 2.3805, 0.5635

Inverse Universe

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



49.8383, 32.0807, 67.8569



60.2294, 34.9515, 83.1344



43.5563, 29.5679, 34.7763



14.9201, 14.5852, 17.7798



24.6478, 11.9933, 33.3698



1.8417, 0.8944, 2.5730

Previews

White Background



This preview shows how the XYZ color 37.5339, 60.5449, 27.7973 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 37.5339, 60.5449, 27.7973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

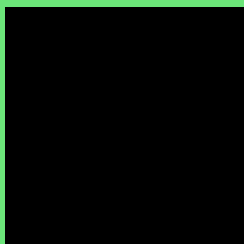
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.5339, 60.5449, 27.7973

Background



This preview shows how black text looks on a background with the XYZ color 37.5339, 60.5449, 27.7973.

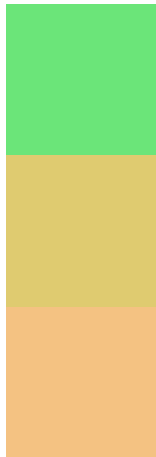


This preview shows how white text looks on a background with the XYZ color 37.5339, 60.5449,

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

37.5339, 60.5449, 27.7973

Protanopia

54.7120, 59.5697, 23.9437

Deuteranopia

60.6293, 59.4284, 29.3944



Tritanopia

49.2387, 60.1206, 86.8512

Trichromacy



Original Color

37.5339, 60.5449, 27.7973



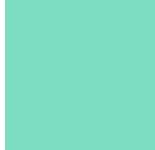
Protanomaly

45.6941, 58.1485, 25.0351



Deuteranomaly

48.3917, 57.6273, 28.6513



Tritanomaly

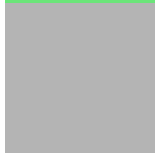
43.7943, 59.8482, 59.6957

Monochromacy



Original Color

37.5339, 60.5449, 27.7973



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

39.5890, 49.6637, 40.3004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5339, 60.5449, 27.7973 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(107, 229, 121)` looks like.

```
.text, #text, p{  
    color:rgb(107, 229, 121)  
}
```

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(107, 229, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 229, 121) }
```

Border

The CSS property to change the border of an element to XYZ 37.5339, 60.5449, 27.7973 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(107, 229, 121) }
```


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

```
.border{ border-color:rgb(107, 229, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 229, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 229, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 229, 121);  
box-shadow:4px 4px 4px 4px rgb(107, 229,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5339, 60.5449, 27.7973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 229, 121) }
```

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

```
.background{ background-color: rgb(107,  
229, 121) }
```

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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