

Converting Colors

XYZ(37.3447, 61.2801, 27.7429)

Have a look what the booklet for
XYZ(37.3447, 61.2801, 27.7429)
contains.

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Color

**XYZ(37.3329, 61.2746,
27.6288)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 65E778 |
| RGB | 101, 231, 120 |
| RGB Percent | 40%, 91%, 47% |
| CMY | 0.6039, 0.0941, 0.5294 |
| CMYK | 0.56, 0.00, 0.48, 0.09 |
| HSL | 129°, 73%, 65% |
| HSV | 129°, 56%, 91% |
| XYZ | 37.3329, 61.2746, 27.6288 |
| YIQ | 179.4760, -41.8490, -62.0810 |

Conversions

Conversions Part 2

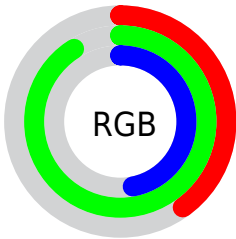
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 101, 214, 231 |
| Decimal | 6678392 |
| CIELab | 82.53, -58.51, 43.25 |
| CIElCh | 83, 72.760, 143.525 |
| Yxy | 61.2746, 0.2957, 0.4854 |
| Android (android.graphics.Color) | 4284868472 (0xFF65E778) |
| YUV | 179.4760, -29.3217, -68.8235 |
| Hunter-Lab | 78.2781, -51.8553, 33.8678 |

Details

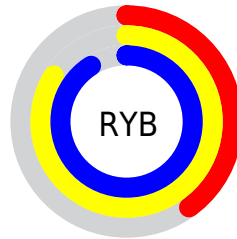
The XYZ color **37.3329, 61.2746, 27.6288** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **49.4942, 31.0508, 65.6738**, and the grayscale version is **43.2710, 45.5244, 49.5761**.

A 20% lighter version of the original color is **58.0979, 82.1531, 52.8394**, and **16.6314, 30.9225, 10.5609** is the 20% darker color. If you saturate the color by 10%, you get **34.0247, 59.6953, 21.8566**, and if you desaturate by 10%, it is **41.6175, 63.3323, 34.7364**.

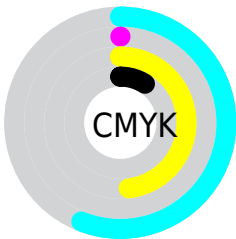
Distribution



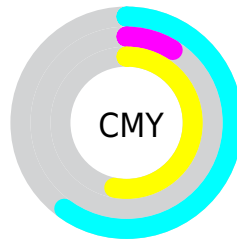
- Red (40%)
- Green (91%)
- Blue (47%)



- Red (40%)
- Yellow (84%)
- Blue (91%)



- Cyan (56%)
- Magenta (0%)
- Yellow (48%)
- Black (9%)



- Cyan (60%)
- Magenta (9%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3329, 61.2746, 27.6288 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 37.3329, 61.2746, 27.6288 by changing the saturation by 10% instead.

37.3329, 61.2746,
27.6288

37.3329, 61.2746,
27.6288

326.0801,
429.2801, 304.5448

25.6402, 44.4468,
17.8094

70.3950, 106.6764,
56.9072

16.6859, 31.0219,
10.6452

92.4951, 136.0193,
77.2033

10.1047, 20.6155,
5.7177

118.7951,
170.3026, 101.8288

5.5313, 12.8433,
2.6082

149.6603,
209.9108, 131.2021

2.6001, 7.3207,
0.8967

185.4560,
255.2282, 165.7418

0.9460, 3.6635,
0.0000

226.5476,

0.0000, 1.4872,

306.6393, 205.8665

0.0000

273.3006,
364.5285, 251.9946

■ 0.0000, 0.2797,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.3329, 61.2746,
27.6288

■ 37.3329, 61.2746,
27.6288

■ 34.0247, 59.6953,
21.8566

■ 41.6175, 63.3323,
34.7364

■ 31.6103, 58.5483,
17.3323


■ 46.9432, 65.8949,
43.2512


■ 30.0013, 57.7916,
13.9647


■ 53.3745, 68.9958,
53.2450


■ 29.0869, 57.3706,
11.6482

■ 60.9694, 72.6635,
64.7833

 28.8625, 57.2684,
11.0283

 69.7815, 76.9246,
77.9278

 79.8615, 81.8037,
92.7369

 87.8671, 85.6342,
106.5057

Harmonies

Analogous

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



47.0900, 61.2746, 14.9417



37.3329, 61.2746, 27.6288



33.2723, 61.2746, 57.5090

Triad

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



37.3329, 61.2746, 27.6288



54.9287, 61.2746, 193.2964



90.2234, 61.2746, 38.0157

Complementary

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



37.3329, 61.2746, 27.6288



49.4942, 31.0508, 65.6738

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.



93.3338, 61.2746, 76.8602



37.3329, 61.2746, 27.6288



71.0235, 61.2746, 180.2332

Square

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



37.3329, 61.2746, 27.6288



42.1953, 61.2746, 162.1231



85.7788, 61.2746, 131.7602



77.9089, 61.2746, 18.7983

Rectangle

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



37.3329, 61.2746, 27.6288



33.7143, 61.2746, 88.8422



85.7788, 61.2746, 131.7602



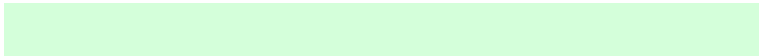
92.4612, 61.2746, 48.6097

Sweetspot

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



37.3344, 61.2771, 27.6302



75.4637, 90.5263, 79.8162



58.5616, 72.3405, 23.1888



15.7210, 19.1679, 16.4326



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.



37.3344, 61.2771, 27.6302



41.8559, 74.3563, 26.0409



42.5264, 63.3539, 54.9707



14.2747, 16.1233, 15.7115



16.2075, 32.1151, 6.3272



1.2247, 2.3840, 0.6097

Inverse Universe

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



49.4942, 31.0508, 65.6738



58.4618, 32.9282, 77.8838



43.0086, 28.4566, 31.5213



14.8998, 14.5771, 17.6726



24.1762, 11.8047, 30.8863



1.8114, 0.8823, 2.4132

Previews

White Background



This preview shows how the XYZ color 37.3329, 61.2746, 27.6288 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 37.3329, 61.2746, 27.6288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

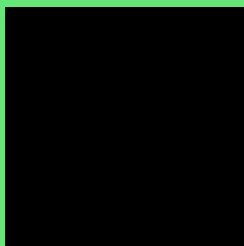
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

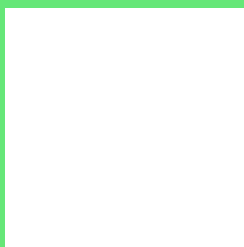
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.3329, 61.2746, 27.6288

Background



This preview shows how black text looks on a background with the XYZ color 37.3329, 61.2746, 27.6288.

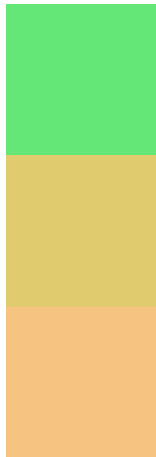


This preview shows how white text looks on a background with the XYZ color 37.3329, 61.2746,

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

37.3329, 61.2746, 27.6288

Protanopia

55.1478, 60.1588, 23.4571

Deuteranopia

61.4836, 60.2080, 29.1497



Tritanopia

49.4176, 60.9448, 88.5158

Trichromacy



Original Color

37.3329, 61.2746, 27.6288



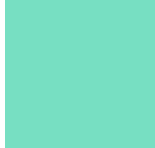
Protanomaly

45.6742, 58.8917, 24.8795



Deuteranomaly

48.3141, 57.9556, 28.3788



Tritanomaly

43.7330, 60.5923, 60.4295

Monochromacy



Original Color

37.3329, 61.2746, 27.6288



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

39.1281, 49.4361, 39.8276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3329, 61.2746, 27.6288 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(101, 231, 120)` looks like.

```
.text, #text, p{  
    color:rgb(101, 231, 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(101, 231, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 231, 120) }
```

Border

The CSS property to change the border of an element to XYZ 37.3329, 61.2746, 27.6288 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(101, 231, 120) }
```


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

```
.border{ border-color:rgb(101, 231, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 231, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 231, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 231, 120);  
box-shadow:4px 4px 4px 4px rgb(101, 231,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3329, 61.2746, 27.6288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 231, 120) }
```

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

```
.background{ background-color: rgb(101,  
231, 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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