

Converting Colors

XYZ(37.4170, 60.8556, 17.0308)

Have a look what the booklet for
XYZ(37.4170, 60.8556, 17.0308)
contains.

XYZ(37.2796, 60.6536, 16.9502)	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(37.2796, 60.6536,
16.9502)**

Conversions

Conversions Part 1

Format	Color
Hex	79E54E
RGB	121, 229, 78
RGB Percent	47%, 90%, 31%
CMY	0.5255, 0.1019, 0.6941
CMYK	0.47, 0.00, 0.66, 0.10
HSL	103°, 74%, 60%
HSV	103°, 66%, 90%
XYZ	37.2796, 60.6536, 16.9502
YIQ	179.4940, -15.8970, -69.8570

Conversions

Conversions Part 2

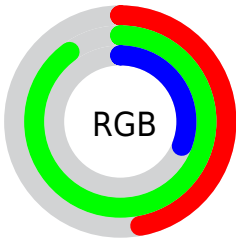
Format	Color
RYB	78, 229, 186
Decimal	7988558
CIELab	82.19, -57.24, 61.71
CIELCh	82, 84.170, 132.850
Yxy	60.6536, 0.3245, 0.5280
Android (android.graphics.Color)	4286178638 (0xFF79E54E)
YUV	179.4940, -50.0365, -51.2992
Hunter-Lab	77.8804, -50.8468, 41.6122

Details

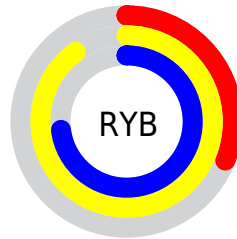
The XYZ color **37.2796, 60.6536, 16.9502** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **37.1202, 21.5471, 76.3346**, and the grayscale version is **43.3782, 45.6373, 49.6990**.

A 20% lighter version of the original color is **58.8160, 82.9168, 35.0949**, and **16.7433, 30.8086, 5.3514** is the 20% darker color. If you saturate the color by 10%, you get **34.4938, 59.2983, 13.2553**, and if you desaturate by 10%, it is **40.7438, 62.3294, 22.1710**.

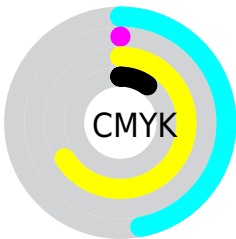
Distribution



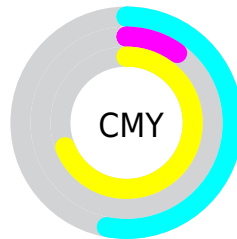
- Red (47%)
- Green (90%)
- Blue (31%)



- Red (31%)
- Yellow (90%)
- Blue (73%)



- Cyan (47%)
- Magenta (0%)
- Yellow (66%)
- Black (10%)





- Cyan (53%)
- Magenta (10%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2796, 60.6536, 16.9502 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 37.2796, 60.6536, 16.9502 by changing the saturation by 10% instead.

 37.2796, 60.6536,
16.9502


 37.2796, 60.6536,
16.9502


325.8540,
427.0027, 246.9195


 25.5987, 43.9457,
10.0374


 70.3136, 105.7772,
39.0296

 16.6548, 30.6278,
5.3178


 92.3975, 134.9617,
55.0333

 10.0824, 20.3156,
2.3729


 118.6798,
169.0738, 74.9044

 5.5163, 12.6247,
0.7717

 149.5257,
208.4980, 99.0614

 2.5911, 7.1706,
0.0000

 185.3008,
253.6185, 127.9229

 0.9414, 3.5690,
0.0000

226.3703,

 0.0000, 1.4355,

304.8199, 161.9073

0.0000

273.0996,
362.4865, 201.4334

■ 0.0000, 0.2427,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.2796, 60.6536,
16.9502

■ 37.2796, 60.6536,
16.9502

■ 34.4938, 59.2983,
13.2553

■ 40.7438, 62.3294,
22.1710

■ 32.3313, 58.2330,
10.9171


■ 44.9271, 64.3379,
29.0550


■ 30.7336, 57.4339,
9.7332


■ 49.8717, 66.7001,
37.7289


■ 30.2142, 57.1720,
9.4428


■ 55.6152, 69.4328,
48.3060

 62.1925, 72.5518,
60.8903

 69.6362, 76.0718,
75.5780

 77.9774, 80.0068,
92.4594

 86.2295, 83.9638,
106.2696

 87.3106, 84.5211,
106.3202

Harmonies

Analogous

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



50.3335, 60.6536, 9.0354



37.2796, 60.6536, 16.9502



30.6343, 60.6536, 41.0460

Triad

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



37.2796, 60.6536, 16.9502



48.0907, 60.6536, 211.9584



98.1038, 60.6536, 46.4676

Complementary

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



37.2796, 60.6536, 16.9502



37.1202, 21.5471, 76.3346

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.



97.1549, 60.6536, 99.5533



37.2796, 60.6536, 16.9502



65.6420, 60.6536, 216.1476

Square

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



37.2796, 60.6536, 16.9502



35.9316, 60.6536, 158.2338



84.3463, 60.6536, 167.7768



86.7199, 60.6536, 19.1496

Rectangle

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



37.2796, 60.6536, 16.9502



29.6692, 60.6536, 71.0613



84.3463, 60.6536, 167.7768



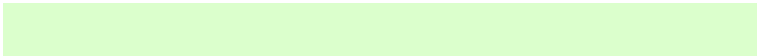
99.2756, 60.6536, 61.2638

Sweetspot

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



37.2810, 60.6562, 16.9515



75.7288, 90.8656, 70.6742



50.7690, 51.3673, 14.4477



15.7051, 19.2099, 14.1650



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.



37.2810, 60.6562, 16.9515



42.9596, 75.1558, 15.6772



33.8805, 58.7481, 23.7984



14.5728, 16.2868, 15.2801



17.3765, 32.7394, 5.4035



1.3731, 2.4652, 0.4035

Inverse Universe

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



37.1202, 21.5471, 76.3346



42.5422, 21.7735, 96.5682



45.3254, 26.2227, 56.5865



14.5742, 14.3983, 18.1553



16.9394, 7.7985, 42.9956



1.3419, 0.6228, 3.1814

Previews

White Background



This preview shows how the XYZ color 37.2796, 60.6536, 16.9502 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 37.2796, 60.6536, 16.9502 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 37.2796, 60.6536, 16.9502

Background



This preview shows how black text looks on a background with the XYZ color 37.2796, 60.6536, 16.9502.



This preview shows how white text looks on a background with the XYZ color 37.2796, 60.6536,

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

37.2796, 60.6536, 16.9502

Protanopia

54.1718, 59.4977, 14.5903

Deuteranopia

61.0603, 59.5736, 17.9535



Tritanopia

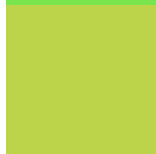
50.6831, 60.1586, 84.5418

Trichromacy



Original Color

37.2796, 60.6536, 16.9502



Protanomaly

45.5186, 58.2727, 15.3272



Deuteranomaly

48.6529, 57.6519, 17.3677



Tritanomaly

43.5506, 59.1615, 49.6814

Monochromacy



Original Color

37.2796, 60.6536, 16.9502



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

38.9493, 49.1546, 33.0261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2796, 60.6536, 16.9502 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(121, 229, 78)` looks like.

```
.text, #text, p{  
    color:rgb(121, 229, 78)  
}
```

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(121, 229, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 229, 78) }
```

Border

The CSS property to change the border of an element to XYZ 37.2796, 60.6536, 16.9502 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(121, 229, 78) }
```


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

```
.border{ border-color:rgb(121, 229, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 229, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 229, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 229, 78);  
box-shadow:4px 4px 4px 4px rgb(121, 229,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2796, 60.6536, 16.9502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 229, 78) }
```

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

```
.background{ background-color: rgb(121,  
229, 78) }
```

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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