

Converting Colors

XYZ(37.5629, 61.3191, 12.4363)

Have a look what the booklet for
XYZ(37.5629, 61.3191, 12.4363)
contains.

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Color

**XYZ(37.5424, 61.3029,
12.4387)**

Conversions

Conversions Part 1

Format	Color
Hex	7FE62E
RGB	127, 230, 46
RGB Percent	50%, 90%, 18%
CMY	0.5020, 0.0980, 0.8196
CMYK	0.45, 0.00, 0.80, 0.10
HSL	94°, 79%, 54%
HSV	94°, 80%, 90%
XYZ	37.5424, 61.3029, 12.4387
YIQ	178.2270, -2.3240, -79.0600

Conversions

Conversions Part 2

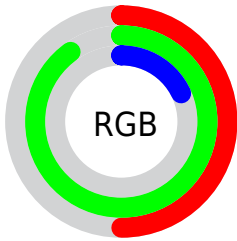
Format	Color
R_{YB}	46, 230, 149
Decimal	8381998
CIE _{Lab}	82.54, -57.89, 72.85
CIE _{LCh}	83, 93.054, 128.470
Yxy	61.3029, 0.3374, 0.5509
Android (android.graphics.Color)	4286572078 (0xFF7FE62E)
YUV	178.2270, -65.1879, -44.9261
Hunter-Lab	78.2962, -51.4289, 45.3881

Details

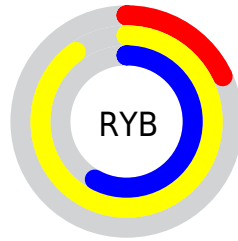
The XYZ color **37.5424, 61.3029, 12.4387** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **27.6577, 14.0589, 76.1222**, and the grayscale version is **42.7746, 45.0022, 49.0074**.

A 20% lighter version of the original color is **58.9603, 83.1675, 27.1328**, and **17.2504, 31.3621, 5.1443** is the 20% darker color. If you saturate the color by 10%, you get **35.4084, 60.2438, 10.5730**, and if you desaturate by 10%, it is **40.1669, 62.5907, 15.5959**.

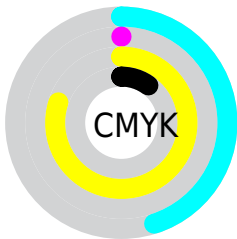
Distribution



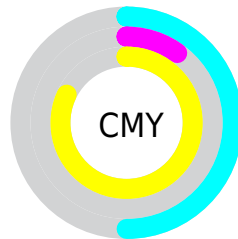
- Red (50%)
- Green (90%)
- Blue (18%)



- Red (18%)
- Yellow (90%)
- Blue (58%)



- Cyan (45%)
- Magenta (0%)
- Yellow (80%)
- Black (10%)





- Cyan (50%)
- Magenta (10%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5424, 61.3029, 12.4387 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 37.5424, 61.3029, 12.4387 by changing the saturation by 10% instead.


 37.5424, 61.3029,
12.4387


 37.5424, 61.3029,
12.4387


326.9678,
429.3837, 218.3683

 25.8033, 44.4697,
6.9170


 70.7146, 106.7174,
30.9679


 16.8085, 31.0399,
3.3326


 92.8785, 136.0674,
44.8125


 10.1925, 20.6292,
1.2669


 119.2480,
170.3585, 62.2685

 5.5900, 12.8533,
0.0344

 150.1886,
209.9751, 83.7544

 2.6357, 7.3276,
0.0000

 186.0655,
255.3015, 109.6888

 0.9642, 3.6678,
0.0000

227.2440,

 0.0000, 1.4895,

306.7221, 140.4903

0.0000

274.0897,
364.6214, 176.5773

■ 0.0000, 0.2813,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.5424, 61.3029,
12.4387

■ 37.5424, 61.3029,
12.4387

■ 35.4084, 60.2438,
10.5730

■ 40.1669, 62.5907,
15.5959

■ 33.6928, 59.3772,
9.6854

■ 43.3204, 64.1173,
20.2200

■ 33.6923, 59.3770,
9.6851

■ 47.0413, 65.9011,
26.4635

■ 51.3624, 67.9562,
34.4585

■ 56.3138, 70.2955,
44.3236

■ 61.9233, 72.9310,
56.1670

■ 68.2168, 75.8738,
70.0887

■ 75.2187, 79.1345,
86.1820

■ 82.9522, 82.7231,
104.5342

Harmonies

Analogous

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



52.8061, 61.3029, 6.4241



37.5424, 61.3029, 12.4387



29.4100, 61.3029, 34.0472

Triad

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



37.5424, 61.3029, 12.4387



45.3123, 61.3029, 229.5765



104.9446, 61.3029, 51.8625

Complementary

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



37.5424, 61.3029, 12.4387



27.6577, 14.0589, 76.1222

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.



101.6426, 61.3029, 115.6298



37.5424, 61.3029, 12.4387



64.0911, 61.3029, 244.6039

Square

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



37.5424, 61.3029, 12.4387



33.1327, 61.3029, 160.8652



85.4846, 61.3029, 194.7008



93.6860, 61.3029, 19.1266

Rectangle

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



37.5424, 61.3029, 12.4387



27.7568, 61.3029, 63.8627



85.4846, 61.3029, 194.7008



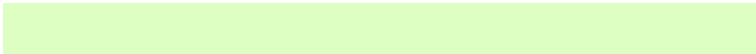
105.5438, 61.3029, 69.7198

Sweetspot

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



37.5438, 61.3055, 12.4400



75.2146, 90.7373, 64.4711



43.5937, 37.9528, 7.6136



15.5615, 19.1688, 12.6702



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.



37.5438, 61.3055, 12.4400



43.2812, 75.3909, 12.5636



30.1198, 57.4551, 13.1431



14.7884, 16.3980, 15.2901



19.2091, 33.6841, 5.4893



1.5247, 2.5434, 0.4106

Inverse Universe

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



27.6577, 14.0589, 76.1222



30.2371, 13.6670, 95.6521



46.6371, 23.9885, 70.4425



14.3508, 14.2831, 18.1449



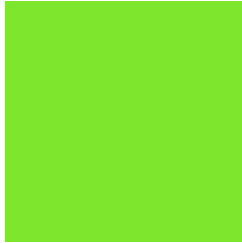
13.3337, 5.9397, 42.8269



1.0916, 0.4937, 3.1697

Previews

White Background



This preview shows how the XYZ color 37.5424, 61.3029, 12.4387 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 37.5424, 61.3029, 12.4387 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 37.5424, 61.3029, 12.4387

Background



This preview shows how black text looks on a background with the XYZ color 37.5424, 61.3029, 12.4387.

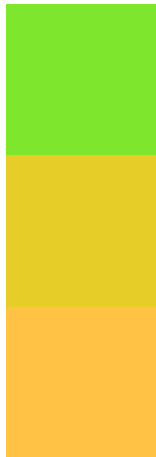


This preview shows how white text looks on a background with the XYZ color 37.5424, 61.3029,

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**

37.5424, 61.3029, 12.4387

Protanopia

54.8307, 60.6321, 10.7327

Deuteranopia

61.5752, 60.2609, 13.8550



Tritanopia

51.7968, 60.7327, 84.5939

Trichromacy



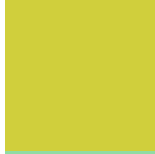
Original Color

37.5424, 61.3029, 12.4387



Protanomaly

46.4568, 59.5978, 11.2455



Deuteranomaly

49.1409, 58.3618, 12.9499



Tritanomaly

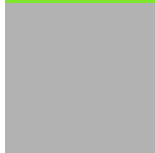
43.7956, 59.7960, 44.3555

Monochromacy



Original Color

37.5424, 61.3029, 12.4387



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

38.2936, 48.9151, 28.5424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5424, 61.3029, 12.4387 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(127, 230, 46)` looks like.

```
.text, #text, p{  
    color:rgb(127, 230, 46)  
}
```

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(127, 230, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 230, 46) }
```

Border

The CSS property to change the border of an element to XYZ 37.5424, 61.3029, 12.4387 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(127, 230, 46) }
```


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

```
.border{ border-color:rgb(127, 230, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 230, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 230, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 230, 46);  
box-shadow:4px 4px 4px 4px rgb(127, 230,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5424, 61.3029, 12.4387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 230, 46) }
```

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

```
.background{ background-color: rgb(127,  
230, 46) }
```

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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