

Converting Colors

XYZ(35.8312, 61.4594, 29.2744)

Have a look what the booklet for
XYZ(35.8312, 61.4594, 29.2744)
contains.

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Color

**XYZ(35.7422, 61.2544,
29.3415)**

Conversions

Conversions Part 1

Format	Color
Hex	4BE97D
RGB	75, 233, 125
RGB Percent	29%, 91%, 49%
CMY	0.7059, 0.0863, 0.5098
CMYK	0.68, 0.00, 0.46, 0.09
HSL	139°, 78%, 60%
HSV	139°, 68%, 91%
XYZ	35.7422, 61.2544, 29.3415
YIQ	173.4460, -59.5000, -67.0840

Conversions

Conversions Part 2

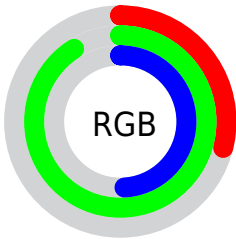
Format	Color
RYB	75, 195, 233
Decimal	4974973
CIELab	82.52, -63.74, 40.67
CIELCh	83, 75.608, 147.458
Yxy	61.2544, 0.2829, 0.4848
Android (android.graphics.Color)	4283165053 (0xFF4BE97D)
YUV	173.4460, -23.8839, -86.3371
Hunter-Lab	78.2652, -55.4466, 32.5579

Details

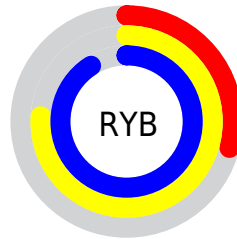
The XYZ color **35.7422, 61.2544, 29.3415** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle muted spring green. A complement of this color would be **44.6693, 25.7757, 47.4220**, and the grayscale version is **40.0896, 42.1774, 45.9312**.

A 20% lighter version of the original color is **54.8812, 80.4374, 55.2813**, and **16.7614, 31.5451, 11.6840** is the 20% darker color. If you saturate the color by 10%, you get **33.3054, 60.1082, 24.3362**, and if you desaturate by 10%, it is **39.0122, 62.8147, 35.2402**.

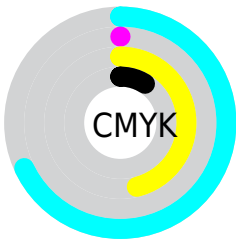
Distribution



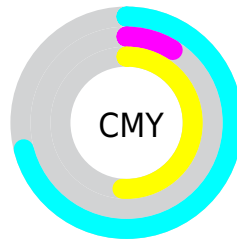
- Red (29%)
- Green (91%)
- Blue (49%)



- Red (29%)
- Yellow (76%)
- Blue (91%)



- Cyan (68%)
- Magenta (0%)
- Yellow (46%)
- Black (9%)





- Cyan (71%)
- Magenta (9%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7422, 61.2544, 29.3415 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 35.7422, 61.2544, 29.3415 by changing the saturation by 10% instead.


 35.7422, 61.2544,
29.3415


 35.7422, 61.2544,
29.3415


319.2833,
429.2062, 312.9341


 24.4043, 44.4305,
19.0915


 67.9604, 106.6472,
59.6679

 15.7602, 31.0091,
11.5589


 89.5716, 135.9849,
80.5813

 9.4444, 20.6058,
6.3252


 115.3378,
170.2627, 105.8864

 5.0916, 12.8361,
2.9719

 145.6245,
209.8649, 136.0015

 2.3364, 7.3158,
1.0803

180.7970,
255.1759, 171.3453

 0.8132, 3.6604,
0.0000

221.2208,

 0.0000, 1.4855,

306.5802, 212.3363

0.0000

267.2611,
364.4622, 259.3931

0.0000, 0.2785,
0.0000

0.0000, 0.0000,
0.0000

35.7422, 61.2544,
29.3415

35.7422, 61.2544,
29.3415

33.3054, 60.1082,
24.3362

39.0122, 62.8147,
35.2402

31.6124, 59.3258,
20.1755


43.1835, 64.8183,
42.0692


30.5514, 58.8521,
16.8118


48.3219, 67.2999,
49.8686


30.3673, 58.7711,
16.1756

54.4857, 70.2889,
58.6746

 61.7284, 73.8123,
68.5217

 70.0999, 77.8949,
79.4427

 79.6467, 82.5601,
91.4687

 88.0170, 86.5950,
104.5179

 88.4301, 86.7603,
106.6934

Harmonies

Analogous

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



45.0259, 61.2544, 14.7700



35.7422, 61.2544, 29.3415



32.3506, 61.2544, 62.8223

Triad

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



35.7422, 61.2544, 29.3415



56.8518, 61.2544, 201.1075



90.4061, 61.2544, 33.4805

Complementary

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



35.7422, 61.2544, 29.3415



44.6693, 25.7757, 47.4220

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.



95.1432, 61.2544, 70.7250



35.7422, 61.2544, 29.3415



73.7696, 61.2544, 181.0559

Square

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



35.7422, 61.2544, 29.3415



43.0426, 61.2544, 173.4759



88.5688, 61.2544, 126.9941



76.6029, 61.2544, 16.2638

Rectangle

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



35.7422, 61.2544, 29.3415



33.3074, 61.2544, 97.1424



88.5688, 61.2544, 126.9941



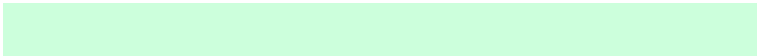
93.2115, 61.2544, 43.3852

Sweetspot

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



35.7437, 61.2569, 29.3429



73.5986, 89.5321, 81.2094



50.5636, 69.1778, 17.3445



15.2052, 18.8969, 16.6414



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.



35.7437, 61.2569, 29.3429



40.0270, 73.3701, 27.9166



42.6321, 64.0122, 65.6163



15.0647, 16.9407, 17.0236



17.2799, 33.3664, 9.4392



1.3991, 2.6369, 0.9634

Inverse Universe

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



44.6693, 25.7757, 47.4220



51.5699, 27.1127, 51.0216



38.7548, 23.4099, 16.2763



15.5002, 15.2279, 17.9192



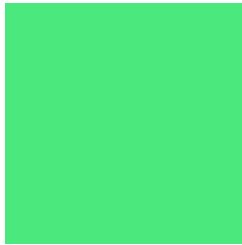
22.6904, 11.2788, 19.9687



1.8250, 0.9030, 1.7959

Previews

White Background



This preview shows how the XYZ color 35.7422, 61.2544, 29.3415 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 35.7422, 61.2544, 29.3415 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 35.7422, 61.2544, 29.3415

Background



This preview shows how black text looks on a background with the XYZ color 35.7422, 61.2544, 29.3415.

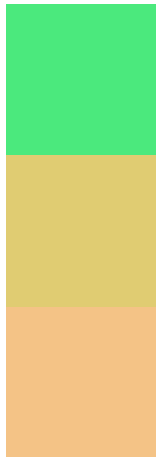


This preview shows how white text looks on a background with the XYZ color 35.7422, 61.2544,

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

35.7422, 61.2544, 29.3415

Protanopia

55.3706, 60.2479, 24.6303

Deuteranopia

61.1264, 59.9845, 30.9107



Tritanopia

47.7079, 60.8042, 90.1108

Trichromacy



Original Color

35.7422, 61.2544, 29.3415



Protanomaly

44.1480, 58.4549, 26.0956



Deuteranomaly

46.4256, 57.3069, 30.0872



Tritanomaly

42.1488, 60.5343, 62.2861

Monochromacy



Original Color

35.7422, 61.2544, 29.3415



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

35.8324, 46.7489, 38.5874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7422, 61.2544, 29.3415 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(75, 233, 125)` looks like.

```
.text, #text, p{  
    color:rgb(75, 233, 125)  
}
```

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(75, 233, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 233, 125) }
```

Border

The CSS property to change the border of an element to XYZ 35.7422, 61.2544, 29.3415 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(75, 233, 125) }
```


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

```
.border{ border-color:rgb(75, 233, 125) }
```

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

Here you see how a box with a 4 pixel rgb(75, 233, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 233, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 233, 125);  
box-shadow:4px 4px 4px 4px rgb(75, 233,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7422, 61.2544, 29.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 233, 125) }
```

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

```
.background{ background-color: rgb(75, 233,  
125) }
```

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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