

Converting Colors

XYZ(35.2825, 61.0317, 14.7932)

Have a look what the booklet for
XYZ(35.2825, 61.0317, 14.7932)
contains.

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Color

**XYZ(35.1489, 60.8501,
14.7432)**

Conversions

Conversions Part 1

Format	Color
Hex	65E840
RGB	101, 232, 64
RGB Percent	40%, 91%, 25%
CMY	0.6039, 0.0902, 0.7490
CMYK	0.56, 0.00, 0.72, 0.09
HSL	107°, 79%, 58%
HSV	107°, 72%, 91%
XYZ	35.1489, 60.8501, 14.7432
YIQ	173.6790, -24.1480, -80.0200

Conversions

Conversions Part 2

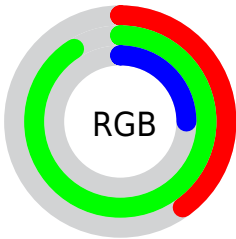
Format	Color
RYB	64, 232, 195
Decimal	6678592
CIELab	82.30, -64.81, 66.78
CIELCh	82, 93.057, 134.142
Yxy	60.8501, 0.3174, 0.5495
Android (android.graphics.Color)	4284868672 (0xFF65E840)
YUV	173.6790, -54.0717, -63.7395
Hunter-Lab	78.0065, -56.0811, 43.3987

Details

The XYZ color **35.1489, 60.8501, 14.7432** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **38.9082, 21.0974, 78.3687**, and the grayscale version is **40.3464, 42.4476, 46.2254**.

A 20% lighter version of the original color is **54.3154, 80.6870, 30.8006**, and **15.5437, 30.7701, 5.1200** is the 20% darker color. If you saturate the color by 10%, you get **32.8140, 59.7093, 11.8757**, and if you desaturate by 10%, it is **38.2070, 62.3357, 19.0794**.

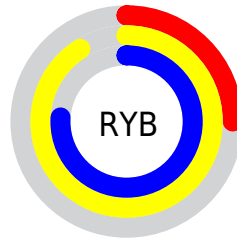
Distribution



Red (40%)

Green (91%)

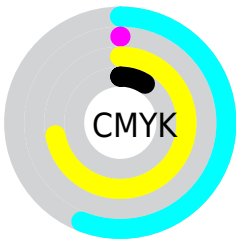
Blue (25%)



Red (25%)

Yellow (91%)

Blue (76%)

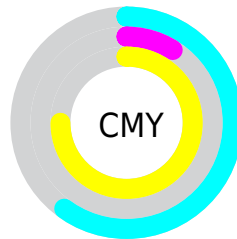


Cyan (56%)

Magenta (0%)

Yellow (72%)

Black (9%)



Cyan (60%)

Magenta (9%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.1489, 60.8501, 14.7432 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 35.1489, 60.8501, 14.7432 by changing the saturation by 10% instead.


 35.1489, 60.8501,
14.7432


 35.1489, 60.8501,
14.7432


316.7216,
427.7242, 233.3936

 23.9446, 44.1042,
8.4947


 67.0489, 106.0619,
35.1380


 15.4171, 30.7524,
4.3208


 88.4753, 135.2965,
50.1213


 9.2008, 20.4104,
1.8030


 114.0399,
169.4629, 68.8534

 4.9306, 12.6937,
0.4299

 144.1079,
208.9454, 91.7528

 2.2409, 7.2180,
0.0000

 179.0447,
254.1283, 119.2379

 0.7642, 3.5988,
0.0000

219.2157,

 0.0000, 1.4518,

305.3962, 151.7274

0.0000

264.9862,
363.1333, 189.6398

■ 0.0000, 0.2544,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.1489, 60.8501,
14.7432

■ 35.1489, 60.8501,
14.7432

■ 32.8140, 59.7093,
11.8757

■ 38.2070, 62.3357,
19.0794


■ 31.1317, 58.8757,
10.2788


■ 42.0412, 64.1843,
25.0413

■ 30.2276, 58.4218,
9.6834


■ 46.7041, 66.4218,
32.7702


■ 52.2421, 69.0696,
42.3907

 58.6982, 72.1472,
54.0166

 66.1126, 75.6731,
67.7524

 74.5228, 79.6646,
83.6954

 83.9645, 84.1380,
101.9369

 88.1479, 86.1957,
106.5993

Harmonies

Analogous

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



49.0160, 60.8501, 6.7726



35.1489, 60.8501, 14.7432



28.3780, 60.8501, 40.6843

Triad

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



35.1489, 60.8501, 14.7432



48.0358, 60.8501, 236.4525



103.2175, 60.8501, 43.0070

Complementary

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



35.1489, 60.8501, 14.7432



38.9082, 21.0974, 78.3687

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.



102.7837, 60.8501, 100.7750



35.1489, 60.8501, 14.7432



67.6557, 60.8501, 238.4327

Square

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



35.1489, 60.8501, 14.7432



34.5733, 60.8501, 175.0339



88.6425, 60.8501, 179.4859



89.7192, 60.8501, 15.6079

Rectangle

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



35.1489, 60.8501, 14.7432



27.5460, 60.8501, 74.4558



88.6425, 60.8501, 179.4859



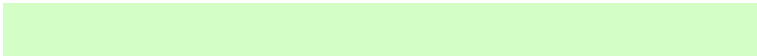
104.7782, 60.8501, 58.6804

Sweetspot

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



35.1503, 60.8527, 14.7446



72.9939, 89.5252, 67.4049



53.2326, 55.5805, 12.7739



15.1301, 18.9270, 13.5280



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.



35.1503, 60.8527, 14.7446



39.5165, 73.4246, 13.5395



33.7225, 59.9059, 24.1989



14.4846, 16.2414, 15.2759



16.8684, 32.4775, 5.3797



1.3249, 2.4404, 0.4012

Inverse Universe

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



38.9082, 21.0974, 78.3687



44.0925, 21.4590, 96.4258



44.1055, 24.4207, 49.5178



14.6683, 14.4468, 18.1597



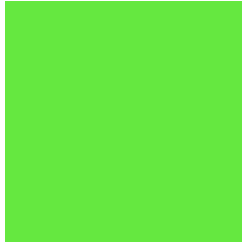
18.7659, 8.7401, 43.0811



1.4637, 0.6855, 3.1871

Previews

White Background



This preview shows how the XYZ color 35.1489, 60.8501, 14.7432 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 35.1489, 60.8501, 14.7432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

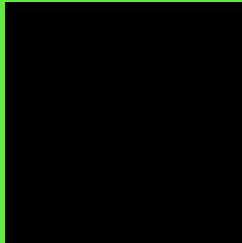
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.1489, 60.8501, 14.7432

Background



This preview shows how black text looks on a background with the XYZ color 35.1489, 60.8501, 14.7432.



This preview shows how white text looks on a background with the XYZ color 35.1489, 60.8501, 14.7432.

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

35.1489, 60.8501, 14.7432

Protanopia

54.3263, 59.9751, 12.5839

Deuteranopia

60.9893, 59.5871, 15.6841



Tritanopia

49.3988, 60.2031, 86.8587

Trichromacy



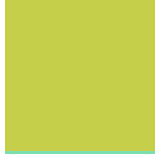
Original Color

35.1489, 60.8501, 14.7432



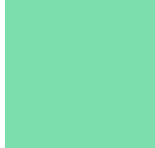
Protanomaly

44.1536, 58.3645, 13.2133



Deuteranomaly

46.8376, 57.1258, 15.0364



Tritanomaly

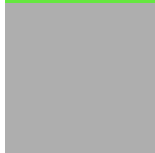
41.7360, 59.4321, 48.3015

Monochromacy



Original Color

35.1489, 60.8501, 14.7432



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

35.8508, 46.9545, 29.7278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1489, 60.8501, 14.7432 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, 232, 64)` looks like.

```
.text, #text, p{  
    color:rgb(101, 232, 64)  
}
```

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, 232, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 232, 64) }
```

Border

The CSS property to change the border of an element to XYZ 35.1489, 60.8501, 14.7432 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, 232, 64) }
```


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

```
.border{ border-color:rgb(101, 232, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 232, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 232, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 232, 64);  
box-shadow:4px 4px 4px 4px rgb(101, 232,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1489, 60.8501, 14.7432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 232, 64) }
```

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

```
.background{ background-color: rgb(101,  
232, 64) }
```

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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