

Converting Colors

XYZ(34.2679, 65.6326, 14.2591)

Have a look what the booklet for
XYZ(34.2679, 65.6326, 14.2591)
contains.

XYZ(34.2599, 65.6114, 14.2267)	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(34.2599, 65.6114,
14.2267)**

Conversions

Conversions Part 1

Format	Color
Hex	31F435
RGB	49, 244, 53
RGB Percent	19%, 96%, 21%
CMY	0.8078, 0.0431, 0.7921
CMYK	0.80, 0.00, 0.78, 0.04
HSL	121°, 90%, 57%
HSV	121°, 80%, 96%
XYZ	34.2599, 65.6114, 14.2267
YIQ	163.9210, -54.9090, -100.7410

Conversions

Conversions Part 2

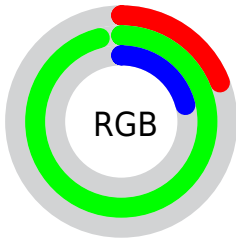
Format	Color
R_{YB}	49, 240, 244
Decimal	3273781
CIE _{Lab}	84.80, -78.64, 72.30
CIE _{LCh}	85, 106.823, 137.403
Yxy	65.6114, 0.3003, 0.5750
Android (android.graphics.Color)	4281463861 (0xFF31F435)
YUV	163.9210, -54.6841, -100.7857
Hunter-Lab	81.0009, -66.2536, 46.2871




Details

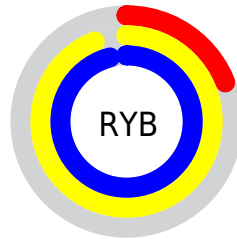
The XYZ color **34.2599, 65.6114, 14.2267** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **54.1357, 27.7216, 84.9328**, and the grayscale version is **35.5214, 37.3713, 40.6973**.




A 20% lighter version of the original color is **48.0032, 77.4807, 28.3448**, and **17.5589, 35.1178, 5.8530** is the 20% darker color. If you saturate the color by 10%, you get **32.9662, 64.9949, 11.9773**, and if you desaturate by 10%, it is **36.4664, 66.6707, 17.9508**.

Distribution







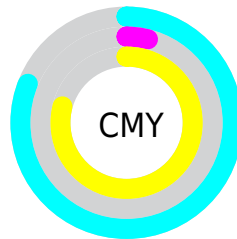
-  Red (19%)
-  Green (96%)
-  Blue (21%)






-  Red (19%)
-  Yellow (94%)
-  Blue (96%)



-  Cyan (80%)
-  Magenta (0%)
-  Yellow (78%)
-  Black (4%)





-  Cyan (81%)
-  Magenta (4%)
-  Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2599, 65.6114, 14.2267 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 34.2599, 65.6114, 14.2267 by changing the saturation by 10% instead.


 34.2599, 65.6114,
14.2267


 34.2599, 65.6114,
14.2267


312.8549,
444.9858, 230.1139


 23.2572, 47.9570,
8.1380


 65.6792, 112.9284,
34.2136

 14.9053, 33.7928,
4.0943


 86.8266, 143.3598,
48.9489


 8.8388, 22.7345,
1.6772


 112.0861,
178.8190, 67.4034

 4.6925, 14.3976,
0.3451

 141.8233,
219.6904, 89.9958

 2.1009, 8.3977,
0.0000

 176.4034,
266.3584, 117.1444

 0.6897, 4.3505,
0.0000

216.1918,

 0.0000, 1.8715,

319.2074, 149.2680

0.0000

261.5539,
378.6217, 186.7849

■ 0.0000, 0.5311,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.2599, 65.6114,
14.2267

■ 34.2599, 65.6114,
14.2267

■ 32.9662, 64.9949,
11.9773

■ 36.4664, 66.6707,
17.9508


■ 32.3831, 64.7167,
10.9344


■ 39.7070, 68.2254,
23.3382


■ 32.3795, 64.7150,
10.9287


■ 44.0895, 70.3295,
30.5545

■ 49.7066, 73.0276,
39.7442

 56.6419, 76.3601,
51.0370

 64.9715, 80.3637,
64.5520

 74.7658, 85.0722,
80.3991

 86.0904, 90.5174,
98.6810

 91.6420, 93.1840,
107.7640

Harmonies

Analogous

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



49.5912, 65.6114, 5.0497



34.2599, 65.6114, 14.2267



27.3809, 65.6114, 46.3880

Triad

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



34.2599, 65.6114, 14.2267



52.8579, 65.6114, 292.5457



117.3573, 65.6114, 38.8391

Complementary

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



34.2599, 65.6114, 14.2267



54.1357, 27.7216, 84.9328

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.



118.8853, 65.6114, 104.1947



34.2599, 65.6114, 14.2267



77.1554, 65.6114, 285.2896

Square

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



34.2599, 65.6114, 14.2267



36.1219, 65.6114, 218.9093



102.7202, 65.6114, 202.8428



98.9635, 65.6114, 11.7261

Rectangle

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



34.2599, 65.6114, 14.2267



26.9648, 65.6114, 89.7921



102.7202, 65.6114, 202.8428



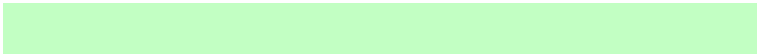
120.0019, 65.6114, 55.7755

Sweetspot

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



34.2614, 65.6141, 14.2282



67.8137, 86.9056, 64.8644



69.0982, 83.5834, 15.3971



13.8225, 18.2686, 12.7598



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.



34.2614, 65.6141, 14.2282



35.9756, 71.6210, 12.3888



39.1037, 67.5510, 39.7274



16.2960, 18.4775, 17.5772



17.6115, 35.1894, 5.9739



1.5526, 3.0947, 0.5501

Inverse Universe

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



54.1357, 27.7216, 84.9328



58.6011, 28.3816, 92.8061



43.3851, 23.4213, 28.3210



17.1981, 16.7621, 20.7896



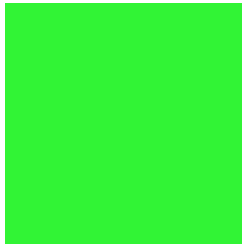
28.7632, 13.8487, 45.5888



2.5326, 1.2190, 4.0311

Previews

White Background



This preview shows how the XYZ color 34.2599, 65.6114, 14.2267 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 34.2599, 65.6114, 14.2267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

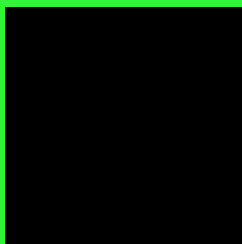
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.2599, 65.6114, 14.2267

Background



This preview shows how black text looks on a background with the XYZ color 34.2599, 65.6114, 14.2267.

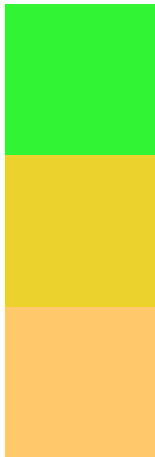


This preview shows how white text looks on a background with the XYZ color 34.2599, 65.6114,

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

34.2599, 65.6114, 14.2267

Protanopia

58.0933, 64.1079, 11.6951

Deuteranopia

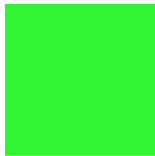
64.7805, 64.0948, 22.8672



Tritanopia

50.5340, 64.9070, 97.0537

Trichromacy



Original Color

34.2599, 65.6114, 14.2267



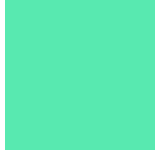
Protanomaly

42.7828, 60.7726, 12.1647



Deuteranomaly

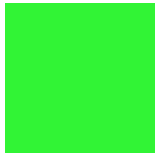
45.3555, 60.0171, 18.2108



Tritanomaly

40.9999, 63.4871, 51.1676

Monochromacy



Original Color

34.2599, 65.6114, 14.2267



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

30.7341, 43.7327, 25.8902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2599, 65.6114, 14.2267 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(49, 244, 53)` looks like.

```
.text, #text, p{  
    color:rgb(49, 244, 53)  
}
```

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(49, 244, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 244, 53) }
```

Border

The CSS property to change the border of an element to XYZ 34.2599, 65.6114, 14.2267 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(49, 244, 53) }
```


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

```
.border{ border-color:rgb(49, 244, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 244, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 244, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 244, 53);  
box-shadow:4px 4px 4px 4px rgb(49, 244,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2599, 65.6114, 14.2267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 244, 53) }
```

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

```
.background{ background-color: rgb(49, 244,  
53) }
```

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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