

Converting Colors

XYZ(33.3539, 65.3794, 13.9690)

Have a look what the booklet for
XYZ(33.3539, 65.3794, 13.9690)
contains.

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Color

**XYZ(33.4994, 65.6724,
14.0424)**

Conversions

Conversions Part 1

Format	Color
Hex	12F533
RGB	18, 245, 51
RGB Percent	7%, 96%, 20%
CMY	0.9294, 0.0392, 0.8000
CMYK	0.93, 0.00, 0.79, 0.04
HSL	129°, 92%, 52%
HSV	129°, 93%, 96%
XYZ	33.4994, 65.6724, 14.0424
YIQ	155.0110, -73.0180, -108.4580

Conversions

Conversions Part 2

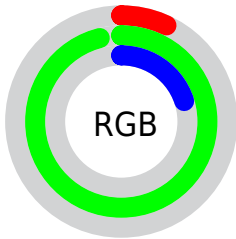
Format	Color
R _Y B	18, 216, 245
Decimal	1242419
CIE Lab	84.83, -81.42, 72.80
CIE LCh	85, 109.219, 138.202
Yxy	65.6724, 0.2959, 0.5801
Android (android.graphics.Color)	4279432499 (0xFF12F533)
YUV	155.0110, -51.2774, -120.1586
Hunter-Lab	81.0385, -68.0297, 46.4532

Details

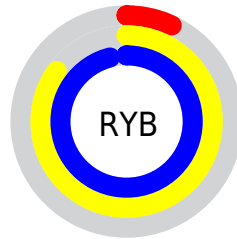
The XYZ color **33.4994, 65.6724, 14.0424** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **49.7574, 24.5993, 64.4117**, and the grayscale version is **31.4055, 33.0410, 35.9817**.

A 20% lighter version of the original color is **46.2924, 76.6118, 27.6769**, and **17.7703, 35.5406, 5.9234** is the 20% darker color. If you saturate the color by 10%, you get **32.9664, 65.4325, 12.5313**, and if you desaturate by 10%, it is **34.7972, 66.2775, 17.0807**.

Distribution



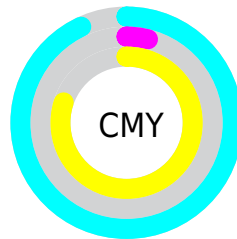
- Red (7%)
- Green (96%)
- Blue (20%)



- Red (7%)
- Yellow (85%)
- Blue (96%)



- Cyan (93%)
- Magenta (0%)
- Yellow (79%)
- Black (4%)





- Cyan (93%)
- Magenta (4%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4994, 65.6724, 14.0424 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 33.4994, 65.6724, 14.0424 by changing the saturation by 10% instead.


 33.4994, 65.6724,
14.0424


 33.4994, 65.6724,
14.0424


309.5194,
445.2044, 228.9320


 22.6704, 48.0065,
8.0111


 64.5039, 113.0160,
33.8825

 14.4696, 33.8320,
4.0142


 85.4101, 143.4625,
48.5283


 8.5319, 22.7646,
1.6331


 110.4060,
178.9380, 66.8826

 4.4918, 14.4198,
0.3143

 139.8571,
219.8269, 89.3641

 1.9839, 8.4132,
0.0000

 174.1286,
266.5136, 116.3913

 0.6249, 4.3605,
0.0000

213.5859,

 0.0000, 1.8772,

319.3825, 148.3826

0.0000

258.5944,
378.8179, 185.7567

■ 0.0000, 0.5346,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.4994, 65.6724,
14.0424

■ 33.4994, 65.6724,
14.0424


■ 32.9664, 65.4325,
12.5313


■ 34.7972, 66.2775,
17.0807


■ 36.9394, 67.2891,
21.3704


■ 40.0451, 68.7681,
27.0298


■ 44.2131, 70.7632,
34.1620

 49.5295, 73.3169,
42.8602

 56.0715, 76.4672,
53.2100

 63.9097, 80.2486,
65.2907

 73.1092, 84.6933,
79.1765

 83.7306, 89.8310,
94.9374

Harmonies

Analogous

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



48.8439, 65.6724, 4.6861



33.4994, 65.6724, 14.0424



26.7573, 65.6724, 47.3373

Triad

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



33.4994, 65.6724, 14.0424



53.2834, 65.6724, 301.1986



118.6458, 65.6724, 37.1291

Complementary

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



33.4994, 65.6724, 14.0424



49.7574, 24.5993, 64.4117

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.



120.7457, 65.6724, 102.7549



33.4994, 65.6724, 14.0424



78.3032, 65.6724, 291.1504

Square

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



33.4994, 65.6724, 14.0424



36.0144, 65.6724, 226.3846



104.4850, 65.6724, 204.2005



99.3322, 65.6724, 10.7443

Rectangle

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



33.4994, 65.6724, 14.0424



26.4667, 65.6724, 92.5070



104.4850, 65.6724, 204.2005



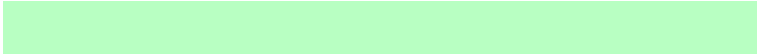
121.5437, 65.6724, 53.9515

Sweetspot

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



33.5009, 65.6751, 14.0439



65.1670, 85.5552, 64.1073



60.7102, 79.7584, 12.7675



13.1885, 17.9459, 12.5431



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.



33.5009, 65.6751, 14.0439



36.0951, 71.6541, 13.6848



39.4044, 68.0365, 45.1310



16.3804, 18.5113, 18.0213



17.7891, 35.2605, 6.9093



1.5928, 3.1108, 0.7614

Inverse Universe

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



49.7574, 24.5993, 64.4117



53.8848, 26.3179, 68.5165



40.2346, 20.7902, 14.2651



17.1040, 16.7244, 20.2940



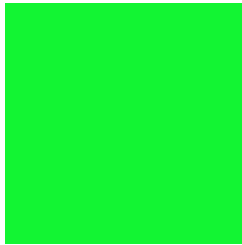
26.5514, 12.9640, 33.9418



2.3613, 1.1505, 3.1291

Previews

White Background



This preview shows how the XYZ color 33.4994, 65.6724, 14.0424 looks on a white background.

Color Contrast Check

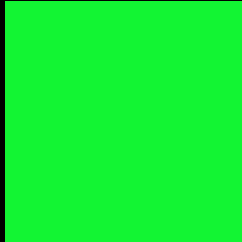
Large Text (above 18pt) WCAG AA × Fail

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 33.4994, 65.6724, 14.0424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

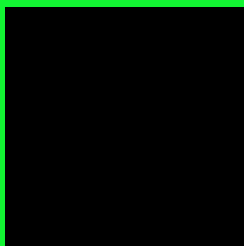
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.4994, 65.6724, 14.0424

Background



This preview shows how black text looks on a background with the XYZ color 33.4994, 65.6724, 14.0424.

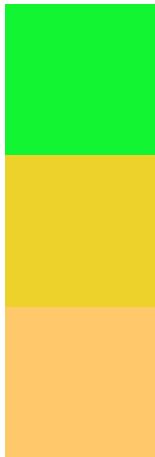


This preview shows how white text looks on a background with the XYZ color 33.4994, 65.6724,

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

33.4994, 65.6724, 14.0424

Protanopia

58.0566, 64.0932, 11.5018

Deuteranopia

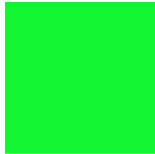
64.7805, 64.0948, 22.8672



Tritanopia

50.1254, 65.0858, 97.9166

Trichromacy



Original Color

33.4994, 65.6724, 14.0424



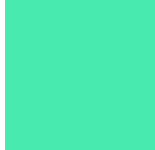
Protanomaly

40.7660, 60.1329, 11.9408



Deuteranomaly

42.8953, 58.7488, 18.0957



Tritanomaly

39.9318, 63.3579, 51.1990

Monochromacy



Original Color

33.4994, 65.6724, 14.0424



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

27.0198, 40.2541, 23.1753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4994, 65.6724, 14.0424 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(18, 245, 51)` looks like.

```
.text, #text, p{  
    color:rgb(18, 245, 51)  
}
```

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(18, 245, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 245, 51) }
```

Border

The CSS property to change the border of an element to XYZ 33.4994, 65.6724, 14.0424 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(18, 245, 51) }
```


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

```
.border{ border-color:rgb(18, 245, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 245, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 245, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 245, 51);  
box-shadow:4px 4px 4px 4px rgb(18, 245,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4994, 65.6724, 14.0424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 245, 51) }
```

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

```
.background{ background-color: rgb(18, 245,  
51) }
```

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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