

Converting Colors

XYZ(33.2035, 64.9701, 14.8146)

Have a look what the booklet for
XYZ(33.2035, 64.9701, 14.8146)
contains.

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Color

**XYZ(33.2524, 65.0780,
14.8117)**

Conversions

Conversions Part 1

Format	Color
Hex	0BF43A
RGB	11, 244, 58
RGB Percent	4%, 96%, 23%
CMY	0.9569, 0.0431, 0.7725
CMYK	0.95, 0.00, 0.76, 0.04
HSL	132°, 91%, 50%
HSV	132°, 95%, 96%
XYZ	33.2524, 65.0780, 14.8117
YIQ	153.1290, -79.1620, -107.2420

Conversions

Conversions Part 2

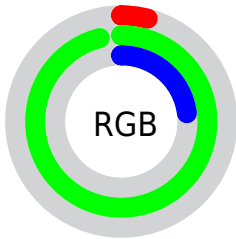
Format	Color
RYB	11, 205, 244
Decimal	783418
CIELab	84.52, -80.98, 70.46
CIElCh	85, 107.339, 138.974
Yxy	65.0780, 0.2939, 0.5752
Android (android.graphics.Color)	4278973498 (0xFF0BF43A)
YUV	153.1290, -46.8986, -124.6471
Hunter-Lab	80.6709, -67.5968, 45.5836

Details

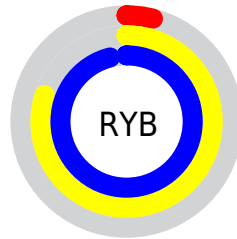
The XYZ color **33.2524, 65.0780, 14.8117** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **47.5073, 23.5044, 54.8553**, and the grayscale version is **30.5588, 32.1502, 35.0116**.

A 20% lighter version of the original color is **46.3661, 76.6099, 29.4830**, and **17.5589, 35.1178, 5.8530** is the 20% darker color. If you saturate the color by 10%, you get **32.9111, 64.9276, 13.7284**, and if you desaturate by 10%, it is **34.4156, 65.6111, 17.9617**.

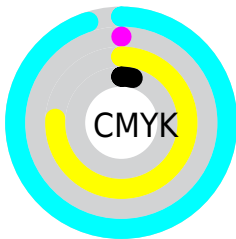
Distribution



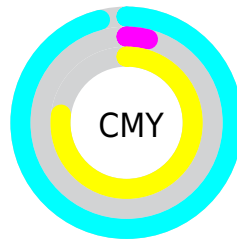
- Red (4%)
- Green (96%)
- Blue (23%)



- Red (4%)
- Yellow (80%)
- Blue (96%)



- Cyan (95%)
- Magenta (0%)
- Yellow (76%)
- Black (4%)





- Cyan (96%)
- Magenta (4%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2524, 65.0780, 14.8117 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 33.2524, 65.0780, 14.8117 by changing the saturation by 10% instead.


 33.2524, 65.0780,
14.8117


 33.2524, 65.0780,
14.8117


308.4304,
443.0722, 233.8250

 22.4800, 47.5243,
8.5422


 64.1214, 112.1620,
35.2601


 14.3286, 33.4503,
4.3511


 84.9488, 142.4611,
50.2761


 8.4328, 22.4717,
1.8199


 109.8586,
177.7775, 69.0447

 4.4272, 14.2039,
0.4410

 139.2160,
218.4955, 91.9844

 1.9466, 8.2626,
0.0000

 173.3866,
264.9996, 119.5137

 0.6037, 4.2634,
0.0000

212.7356,

 0.0000, 1.8220,

317.6742, 152.0512

0.0000

257.6285,
376.9036, 190.0155

■ 0.0000, 0.5008,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.2524, 65.0780,
14.8117

■ 33.2524, 65.0780,
14.8117

■ 32.9111, 64.9276,
13.7284

■ 34.4156, 65.6111,
17.9617

■ 36.3595, 66.5209,
22.2238

■ 39.2045, 67.8694,
27.6917

■ 43.0482, 69.7054,
34.4481

■ 47.9753, 72.0708,
42.5680

■ 54.0612, 75.0030,
52.1208

■ 61.3746, 78.5362,
63.1712

■ 69.9786, 82.7016,
75.7799

■ 79.9320, 87.5282,
90.0040

Harmonies

Analogous

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



48.0799, 65.0780, 5.0400



33.2524, 65.0780, 14.8117



26.8160, 65.0780, 48.5441

Triad

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



33.2524, 65.0780, 14.8117



53.4727, 65.0780, 294.5513



116.3057, 65.0780, 36.0945

Complementary

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



33.2524, 65.0780, 14.8117



47.5073, 23.5044, 54.8553

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.



118.8361, 65.0780, 99.1386



33.2524, 65.0780, 14.8117



78.0372, 65.0780, 282.5094

Square

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



33.2524, 65.0780, 14.8117



36.3209, 65.0780, 223.8108



103.4195, 65.0780, 197.1675



97.2018, 65.0780, 10.7161

Rectangle

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



33.2524, 65.0780, 14.8117



26.6525, 65.0780, 93.4423



103.4195, 65.0780, 197.1675



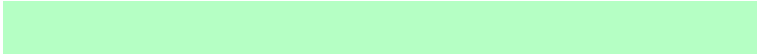
119.2785, 65.0780, 52.2431

Sweetspot

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



33.2539, 65.0807, 14.8132



64.7880, 85.3339, 65.2622



55.5442, 76.6530, 12.1847



13.1368, 17.9121, 12.8622



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.



33.2539, 65.0807, 14.8132



36.3674, 71.7629, 15.1184



40.1401, 67.8352, 51.0753



16.4189, 18.5267, 18.2242



17.9332, 35.3181, 7.6681



1.6114, 3.1182, 0.8594

Inverse Universe

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



47.5073, 23.5044, 54.8553



52.0859, 25.5984, 59.0440



38.9110, 20.0659, 9.5877



17.0620, 16.7076, 20.0729



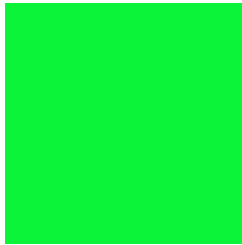
25.6788, 12.6150, 29.3465



2.2924, 1.1229, 2.7660

Previews

White Background



This preview shows how the XYZ color 33.2524, 65.0780, 14.8117 looks on a white background.

Color Contrast Check

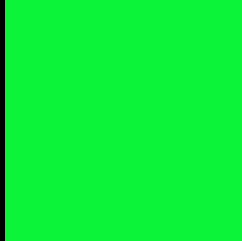
Large Text (above 18pt) WCAG AA × Fail

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 33.2524, 65.0780, 14.8117 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 33.2524, 65.0780, 14.8117

Background



This preview shows how black text looks on a background with the XYZ color 33.2524, 65.0780, 14.8117.

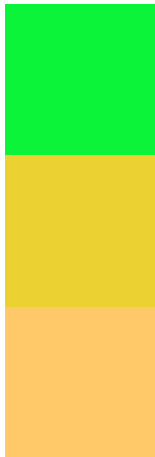


This preview shows how white text looks on a background with the XYZ color 33.2524, 65.0780,

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

33.2524, 65.0780, 14.8117

Protanopia

57.6158, 63.4848, 12.1229

Deuteranopia

64.3930, 63.5680, 21.9727



Tritanopia

49.4705, 64.3587, 97.0039

Trichromacy



Original Color

33.2524, 65.0780, 14.8117



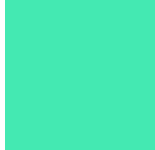
Protanomaly

40.0675, 59.3605, 12.5948



Deuteranomaly

42.0021, 57.9068, 17.9802



Tritanomaly

39.5587, 62.7211, 52.1409

Monochromacy



Original Color

33.2524, 65.0780, 14.8117



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.1957, 39.1925, 23.3238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2524, 65.0780, 14.8117 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(11, 244, 58)` looks like.

```
.text, #text, p{  
    color:rgb(11, 244, 58)  
}
```

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(11, 244, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 244, 58) }
```

Border

The CSS property to change the border of an element to XYZ 33.2524, 65.0780, 14.8117 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(11, 244, 58) }
```


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

```
.border{ border-color:rgb(11, 244, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 244, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 244, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 244, 58);  
box-shadow:4px 4px 4px 4px rgb(11, 244,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2524, 65.0780, 14.8117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 244, 58) }
```

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

```
.background{ background-color: rgb(11, 244,  
58) }
```

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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