

Converting Colors

XYZ(33.1492, 63.2568, 14.3042)

Have a look what the booklet for
XYZ(33.1492, 63.2568, 14.3042)
contains.

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Color

**XYZ(33.1652, 63.2686,
14.3350)**

Conversions

Conversions Part 1

Format	Color
Hex	31F039
RGB	49, 240, 57
RGB Percent	19%, 94%, 22%
CMY	0.8078, 0.0588, 0.7764
CMYK	0.80, 0.00, 0.76, 0.06
HSL	123°, 86%, 57%
HSV	123°, 80%, 94%
XYZ	33.1652, 63.2686, 14.3350
YIQ	162.0290, -55.0930, -97.4050

Conversions

Conversions Part 2

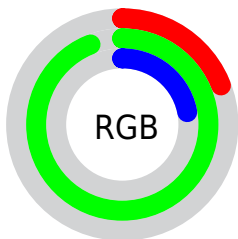
Format	Color
RYB	49, 232, 240
Decimal	3272761
CIELab	83.58, -77.23, 69.95
CIELCh	84, 104.202, 137.832
Yxy	63.2686, 0.2994, 0.5712
Android (android.graphics.Color)	4281462841 (0xFF31F039)
YUV	162.0290, -51.7793, -99.1264
Hunter-Lab	79.5416, -64.7714, 44.9938

Details

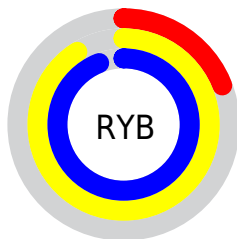
The XYZ color **33.1652, 63.2686, 14.3350** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **51.5998, 26.5485, 78.7454**, and the grayscale version is **34.6112, 36.4137, 39.6545**.

A 20% lighter version of the original color is **47.9656, 77.4481, 28.9439**, and **16.7279, 33.4559, 5.5760** is the 20% darker color. If you saturate the color by 10%, you get **31.8512, 62.6450, 11.9274**, and if you desaturate by 10%, it is **35.3570, 64.3185, 18.1410**.

Distribution



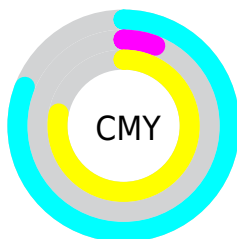
- Red (19%)
- Green (94%)
- Blue (22%)



- Red (19%)
- Yellow (91%)
- Blue (94%)



- Cyan (80%)
- Magenta (0%)
- Yellow (76%)
- Black (6%)





- Cyan (81%)
- Magenta (6%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1652, 63.2686, 14.3350 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 33.1652, 63.2686, 14.3350 by changing the saturation by 10% instead.


 33.1652, 63.2686,
14.3350


 33.1652, 63.2686,
14.3350


308.0453,
436.5436, 230.8055

 22.4129, 46.0585,
8.2126


 63.9863, 109.5569,
34.4079

 14.2789, 32.2920,
4.1416


 84.7858, 139.4040,
49.1955


 8.3979, 21.5846,
1.7033


 109.6651,
174.2322, 67.7086

 4.4045, 13.5520,
0.3630

 138.9895,
214.4258, 90.3658

 1.9334, 7.8098,
0.0000

 173.1243,
260.3694, 117.5855

 0.5962, 3.9735,
0.0000

212.4350,

 0.0000, 1.6587,

312.4473, 149.7863

0.0000

257.2869,
371.0439, 187.3868

■ 0.0000, 0.3967,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.1652, 63.2686,
14.3350

■ 33.1652, 63.2686,
14.3350

■ 31.8512, 62.6450,
11.9274

■ 35.3570, 64.3185,
18.1410


■ 31.2344, 62.3534,
10.7064


■ 38.5391, 65.8434,
23.5087


■ 31.2165, 62.3449,
10.6775


■ 42.8119, 67.8939,
30.5837


■ 48.2621, 70.5120,
39.4937

 54.9682, 73.7357,
50.3541

 63.0014, 77.5994,
63.2711

 72.4278, 82.1350,
78.3430

 83.3092, 87.3725,
95.6620

 90.4514, 90.8028,
107.3671

Harmonies

Analogous

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



47.6961, 63.2686, 5.1866



33.1652, 63.2686, 14.3350



26.6796, 63.2686, 45.6892

Triad

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



33.1652, 63.2686, 14.3350



51.3681, 63.2686, 278.6193



112.2028, 63.2686, 37.1763

Complementary

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



33.1652, 63.2686, 14.3350



51.5998, 26.5485, 78.7454

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.



113.9088, 63.2686, 98.8522



33.1652, 63.2686, 14.3350



74.5677, 63.2686, 270.5558

Square

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



33.1652, 63.2686, 14.3350



35.2659, 63.2686, 209.9377



98.7855, 63.2686, 192.0507



94.5863, 63.2686, 11.4726

Rectangle

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



33.1652, 63.2686, 14.3350



26.3462, 63.2686, 87.4325



98.7855, 63.2686, 192.0507



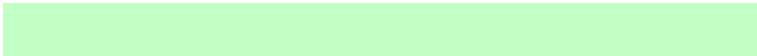
114.7920, 63.2686, 53.1719

Sweetspot

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



33.1667, 63.2712, 14.3364



67.9624, 86.9651, 65.6473



65.5286, 79.9757, 14.8887



13.8569, 18.2823, 12.9410



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.



33.1667, 63.2712, 14.3364



36.0181, 71.6380, 12.6129



38.0032, 65.2058, 39.8052



15.5928, 17.6671, 16.8784



17.0997, 34.1319, 5.9079



1.4319, 2.8432, 0.5409

Inverse Universe

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



51.5998, 26.5485, 78.7454



57.7918, 28.0579, 88.5444



41.6322, 22.5615, 26.2565



16.4240, 16.0193, 19.7888



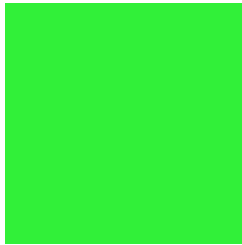
27.4982, 13.2717, 42.1357



2.2964, 1.1076, 3.5518

Previews

White Background



This preview shows how the XYZ color 33.1652, 63.2686, 14.3350 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 33.1652, 63.2686, 14.3350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

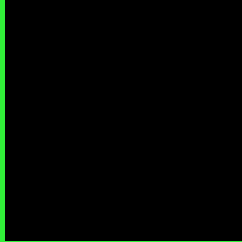
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.1652, 63.2686, 14.3350

Background



This preview shows how black text looks on a background with the XYZ color 33.1652, 63.2686, 14.3350.

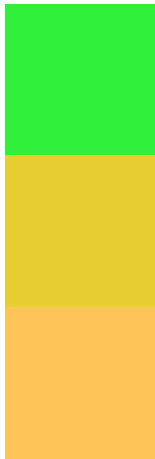


This preview shows how white text looks on a background with the XYZ color 33.1652, 63.2686,

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

33.1652, 63.2686, 14.3350

Protanopia

56.1459, 62.0032, 11.9143

Deuteranopia

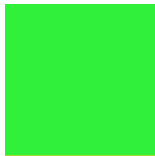
62.7414, 61.4444, 17.7857



Tritanopia

48.8670, 62.9103, 93.5717

Trichromacy



Original Color

33.1652, 63.2686, 14.3350



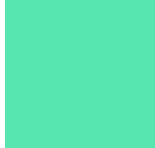
Protanomaly

41.4684, 58.9103, 12.4340



Deuteranomaly

43.7054, 57.3261, 15.7827



Tritanomaly

39.9652, 61.7150, 50.3632

Monochromacy



Original Color

33.1652, 63.2686, 14.3350



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

29.9367, 42.3471, 25.6648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1652, 63.2686, 14.3350 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, 240, 57)` looks like.

```
.text, #text, p{  
    color:rgb(49, 240, 57)  
}
```

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, 240, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 240, 57) }
```

Border

The CSS property to change the border of an element to XYZ 33.1652, 63.2686, 14.3350 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, 240, 57) }
```


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

```
.border{ border-color:rgb(49, 240, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 240, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 240, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 240, 57);  
box-shadow:4px 4px 4px 4px rgb(49, 240,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1652, 63.2686, 14.3350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 240, 57) }
```

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

```
.background{ background-color: rgb(49, 240,  
57) }
```

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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