

# Converting Colors

XYZ(34.1657, 63.2691, 24.6691)

Have a look what the booklet for  
XYZ(34.1657, 63.2691, 24.6691)  
contains.

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# Color

**XYZ(34.0522, 63.0626,  
24.5649)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1CEF6C
RGB	28, 239, 108
RGB Percent	11%, 94%, 42%
CMY	0.8902, 0.0627, 0.5765
CMYK	0.88, 0.00, 0.55, 0.06
HSL	143°, 87%, 52%
HSV	143°, 88%, 94%
XYZ	34.0522, 63.0626, 24.5649
YIQ	160.9770, -83.7050, -85.4730

# Conversions

## Conversions Part 2

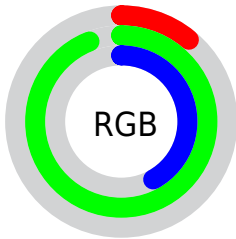
Format	Color
R <sub>Y</sub> B	28, 181, 239
Decimal	1896300
CIE Lab	83.48, -73.66, 49.76
CIE LCh	83, 88.886, 145.960
Yxy	63.0626, 0.2799, 0.5183
Android (android.graphics.Color)	4280086380 (0xFF1CEF6C)
YUV	160.9770, -26.1177, -116.6208
Hunter-Lab	79.4120, -62.4294, 37.2479

# Details

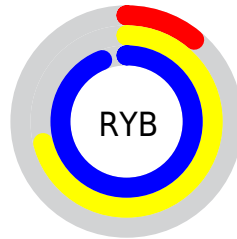
The XYZ color **34.0522, 63.0626, 24.5649** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **42.2720, 21.6857, 34.7620**, and the grayscale version is **34.0130, 35.7843, 38.9691**.

A 20% lighter version of the original color is **49.7528, 77.9802, 46.6119**, and **17.2135, 33.3236, 9.1393** is the 20% darker color. If you saturate the color by 10%, you get **32.9022, 62.5551, 20.7344**, and if you desaturate by 10%, it is **35.8444, 63.8891, 29.1299**.

# Distribution



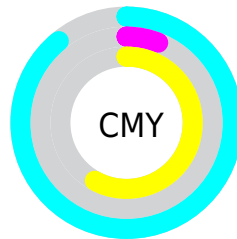
- Red (11%)
- Green (94%)
- Blue (42%)



- Red (11%)
- Yellow (71%)
- Blue (94%)



- Cyan (88%)
- Magenta (0%)
- Yellow (55%)
- Black (6%)




- Cyan (89%)
- Magenta (6%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0522, 63.0626, 24.5649 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 34.0522, 63.0626, 24.5649 by changing the saturation by 10% instead.





 34.0522, 63.0626,  
24.5649


 34.0522, 63.0626,  
24.5649


311.9466,  
435.7966, 289.0421


 23.0968, 45.8919,  
15.5371


 65.3586, 109.2598,  
51.9058


 14.7861, 32.1605,  
9.0464


 86.4403, 139.0551,  
71.0560


 8.7547, 21.4841,  
4.6742


 111.6281,  
173.8273, 94.4175

 4.6374, 13.4783,  
2.0021

 141.2874,  
213.9609, 122.4087

 2.0687, 7.7587,  
0.5565

 175.7835,  
259.8402, 155.4482

 0.6721, 3.9410,  
0.0000

215.4819,

 0.0000, 1.6406,

311.8497, 193.9546

0.0000

260.7478,  
370.3737, 238.3464

■ 0.0000, 0.3847,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 34.0522, 63.0626,  
24.5649

■ 34.0522, 63.0626,  
24.5649

■ 32.9022, 62.5551,  
20.7344


■ 35.8444, 63.8891,  
29.1299


■ 32.7395, 62.4841,  
20.1458


■ 38.3973, 65.0898,  
34.4638


■ 41.8012, 66.7122,  
40.6033


■ 46.1317, 68.7947,  
47.5808

 51.4558, 71.3712,  
55.4274

 57.8339, 74.4723,  
64.1719

 65.3215, 78.1260,  
73.8423

 73.9701, 82.3584,  
84.4649

 83.8280, 87.1938,  
96.0652

# Harmonies

## Analogous

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



45.0574, 63.0626, 10.4578



34.0522, 63.0626, 24.5649



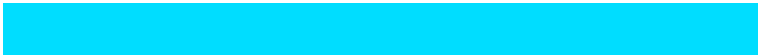
29.9142, 63.0626, 61.4147

# Triad

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



34.0522, 63.0626, 24.5649



57.3511, 63.0626, 239.6972



100.0894, 63.0626, 31.7320

# Complementary

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



34.0522, 63.0626, 24.5649



42.2720, 21.6857, 34.7620

# 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.



105.3424, 63.0626, 76.4635



34.0522, 63.0626, 24.5649



77.7824, 63.0626, 216.3229

# Square

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



34.0522, 63.0626, 24.5649



41.4005, 63.0626, 200.5590



96.4384, 63.0626, 147.4371



83.3205, 63.0626, 12.7528



# Rectangle

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



34.0522, 63.0626, 24.5649



30.7680, 63.0626, 102.4015



96.4384, 63.0626, 147.4371



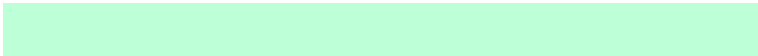
103.3968, 63.0626, 43.2939

# Sweetspot

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



34.0537, 63.0652, 24.5663



68.7887, 87.1472, 76.7046



45.9043, 69.4629, 12.0873



14.1224, 18.3602, 15.6211



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.



34.0537, 63.0652, 24.5663



37.9028, 72.3771, 23.2037



43.0885, 66.6791, 72.1427



15.8138, 17.7556, 18.0426



18.1507, 34.5523, 11.4426



1.5569, 2.8932, 1.1990



# Inverse Universe

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



42.2720, 21.6857, 34.7620



47.4392, 23.7397, 34.5743



36.7306, 19.4692, 5.5813



16.1854, 15.9239, 18.5327



22.7082, 11.3557, 16.9118

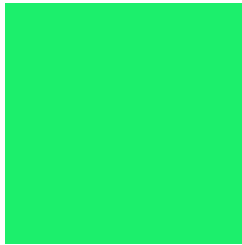


1.9373, 0.9640, 1.6609



# Previews

## White Background



This preview shows how the XYZ color 34.0522, 63.0626, 24.5649 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 34.0522, 63.0626, 24.5649 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

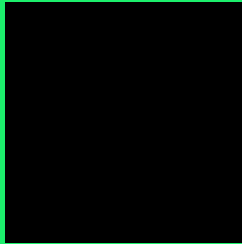
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

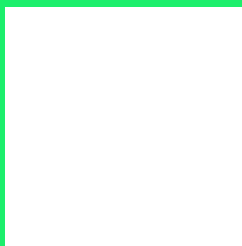
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.0522, 63.0626, 24.5649**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.0522, 63.0626, 24.5649.



This preview shows how white text looks on a background with the XYZ color 34.0522, 63.0626,



# 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

34.0522, 63.0626, 24.5649

### Protanopia

56.2239, 61.4997, 20.2166

### Deuteranopia

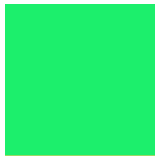
62.8534, 61.3210, 25.9762



## Tritanopia

47.9267, 62.8083, 94.3912

# Trichromacy



## Original Color

34.0522, 63.0626, 24.5649



## Protanomaly

40.9379, 58.0510, 21.3592



## Deuteranomaly

43.2156, 56.8708, 24.9191



## Tritanomaly

40.6330, 61.8283, 60.8314

# Monochromacy



## Original Color

34.0522, 63.0626, 24.5649



## Achromatopsia

33.8758, 35.6400, 38.8120



## Achromatomaly

29.8901, 41.8589, 32.0954

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.0522, 63.0626, 24.5649 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(28, 239, 108)` looks like.

```
.text, #text, p{  
    color:rgb(28, 239, 108)  
}
```

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(28, 239, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 239, 108) }
```

## Border

The CSS property to change the border of an element to XYZ 34.0522, 63.0626, 24.5649 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(28, 239, 108) }
```



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

```
.border{ border-color:rgb(28, 239, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 239, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 239, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 239, 108);  
box-shadow:4px 4px 4px 4px rgb(28, 239,  
108) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.0522, 63.0626, 24.5649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 239, 108) }
```

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

```
.background{ background-color: rgb(28, 239,  
108) }
```

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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