

# Converting Colors

XYZ(34.6258, 61.5295, 29.6546)

Have a look what the booklet for  
XYZ(34.6258, 61.5295, 29.6546)  
contains.

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# Color

**XYZ(34.6465, 61.5274,  
29.7886)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2FEB7E
RGB	47, 235, 126
RGB Percent	18%, 92%, 49%
CMY	0.8157, 0.0784, 0.5059
CMYK	0.80, 0.00, 0.46, 0.08
HSL	145°, 82%, 55%
HSV	145°, 80%, 92%
XYZ	34.6465, 61.5274, 29.7886
YIQ	166.3620, -77.0590, -73.7550

# Conversions

## Conversions Part 2

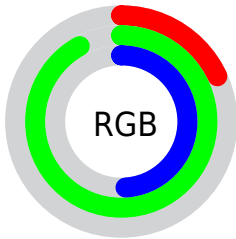
<b>Format</b>	<b>Color</b>
<b>RYB</b>	47, 179, 235
Decimal	3140478
CIELab	82.66, -68.09, 40.27
CIELCh	83, 79.110, 149.400
Yxy	61.5274, 0.2751, 0.4885
Android (android.graphics.Color)	4281330558 (0xFF2FEB7E)
YUV	166.3620, -19.8985, -104.6805
Hunter-Lab	78.4394, -58.4259, 32.3913

# Details

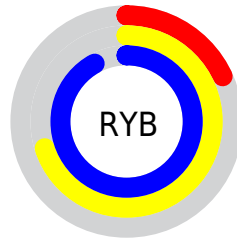
The XYZ color **34.6465, 61.5274, 29.7886** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **41.2801, 22.0966, 33.5437**, and the grayscale version is **36.5423, 38.4453, 41.8670**.

A 20% lighter version of the original color is **52.3104, 79.1004, 55.6909**, and **17.1904, 32.3488, 11.9945** is the 20% darker color. If you saturate the color by 10%, you get **33.0202, 60.7855, 25.4322**, and if you desaturate by 10%, it is **36.9780, 62.6224, 34.8059**.

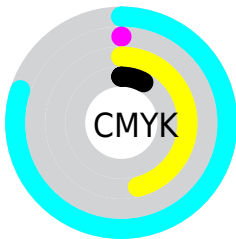
# Distribution



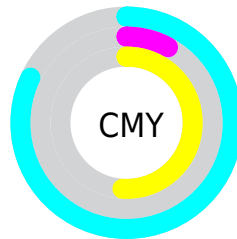
- Red (18%)
- Green (92%)
- Blue (49%)



- Red (18%)
- Yellow (70%)
- Blue (92%)



- Cyan (80%)
- Magenta (0%)
- Yellow (46%)
- Black (8%)




- Cyan (82%)
- Magenta (8%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6465, 61.5274, 29.7886 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 34.6465, 61.5274, 29.7886 by changing the saturation by 10% instead.





 34.6465, 61.5274,  
29.7886


 34.6465, 61.5274,  
29.7886


314.5407,  
430.2051, 315.0944


 23.5559, 44.6509,  
19.4275


 66.2754, 107.0422,  
60.3848


 15.1275, 31.1826,  
11.7997


 87.5445, 136.4493,  
81.4569


 8.9958, 20.7379,  
6.4865


 112.9371,  
170.8021, 106.9364

 4.7955, 12.9326,  
3.0696

 142.8186,  
210.4850, 137.2419

 2.1613, 7.3821,  
1.1303

 177.5543,  
255.8823, 172.7919

 0.7222, 3.7022,  
0.0000

217.5097,

 0.0000, 1.5084,

307.3785, 214.0050

0.0000

263.0500,  
365.3580, 261.2996

■ 0.0000, 0.2946,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 34.6465, 61.5274,  
29.7886

■ 34.6465, 61.5274,  
29.7886

■ 33.0202, 60.7855,  
25.4322

■ 36.9780, 62.6224,  
34.8059


■ 31.9499, 60.3152,  
21.7005


■ 40.0968, 64.1072,  
40.5076


■ 31.9498, 60.3152,  
21.7002


■ 44.0774, 66.0215,  
46.9209

■ 48.9845, 68.3981,  
54.0702

 54.8760, 71.2663,  
61.9787

 61.8049, 74.6531,  
70.6685

 69.8205, 78.5835,  
80.1606

 78.9687, 83.0808,  
90.4754

 87.9908, 87.4956,  
101.5715

# Harmonies

## Analogous

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



43.8773, 61.5274, 14.0996



34.6465, 61.5274, 29.7886



31.5396, 61.5274, 66.0186

# Triad

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



34.6465, 61.5274, 29.7886



58.1388, 61.5274, 210.6567



91.7702, 61.5274, 30.7875

# Complementary

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



34.6465, 61.5274, 29.7886



41.2801, 22.0966, 33.5437

# 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.



97.5613, 61.5274, 67.9767



34.6465, 61.5274, 29.7886



76.0087, 61.5274, 185.8727

# Square

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



34.6465, 61.5274, 29.7886



43.3902, 61.5274, 183.9462



91.3093, 61.5274, 126.7247



76.7161, 61.5274, 14.4488



# Rectangle

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



34.6465, 61.5274, 29.7886



32.7821, 61.5274, 103.0818



91.3093, 61.5274, 126.7247



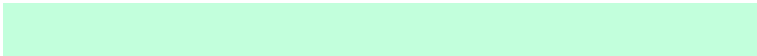
94.9805, 61.5274, 40.4957

# Sweetspot

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



34.6480, 61.5299, 29.7900



70.8112, 88.1046, 80.6489



44.0631, 66.7593, 13.2531



14.5266, 18.5502, 16.4676



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.



34.6480, 61.5299, 29.7900



38.8721, 72.7796, 27.6418



43.7126, 65.1557, 77.5234



15.1309, 16.9672, 17.3722



17.8413, 33.5910, 12.3953



1.4480, 2.6565, 1.2211



# Inverse Universe

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



41.2801, 22.0966, 33.5437



47.0291, 23.7528, 31.8687



36.1670, 20.0513, 6.6185



15.4317, 15.2005, 17.5584



21.6161, 10.8491, 14.3116

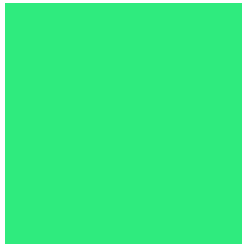


1.7452, 0.8711, 1.3758



# Previews

## White Background



This preview shows how the XYZ color 34.6465, 61.5274, 29.7886 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 34.6465, 61.5274, 29.7886 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

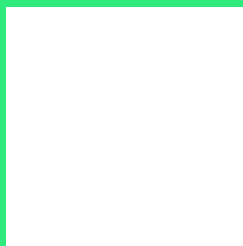
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.6465, 61.5274, 29.7886**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.6465, 61.5274, 29.7886.



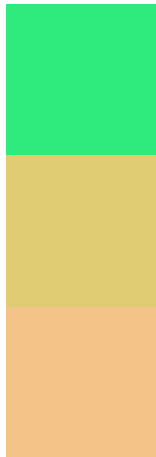
This preview shows how white text looks on a background with the XYZ color 34.6465, 61.5274,



# 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

34.6465, 61.5274, 29.7886

### Protanopia

55.4278, 60.2708, 24.9317

### Deuteranopia

61.2673, 60.0409, 31.6525



## Tritanopia

46.8865, 61.1305, 91.7663

# Trichromacy



## Original Color

34.6465, 61.5274, 29.7886



## Protanomaly

42.1274, 57.4064, 26.3130



## Deuteranomaly

44.2247, 56.5298, 30.4102



## Tritanomaly

41.0023, 60.7240, 63.5927

# Monochromacy



## Original Color

34.6465, 61.5274, 29.7886



## Achromatopsia

36.2450, 38.1326, 41.5264



## Achromatomaly

32.3851, 43.7069, 36.0076

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.6465, 61.5274, 29.7886 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(47, 235, 126)` looks like.

```
.text, #text, p{  
    color:rgb(47, 235, 126)  
}
```

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(47, 235, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 235, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 34.6465, 61.5274, 29.7886 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(47, 235, 126) }
```



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

```
.border{ border-color:rgb(47, 235, 126) }
```

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

Here you see how a box with a 4 pixel rgb(47, 235, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 235, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 235, 126);  
box-shadow:4px 4px 4px 4px rgb(47, 235,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.6465, 61.5274, 29.7886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 235, 126) }
```

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

```
.background{ background-color: rgb(47, 235,  
126) }
```

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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