

# Converting Colors

XYZ(18.4482, 34.1440, 14.6350)

Have a look what the booklet for  
XYZ(18.4482, 34.1440, 14.6350)  
contains.

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# Color

**XYZ(18.4482, 34.1440,  
14.6350)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B657
RGB	0, 182, 87
RGB Percent	0%, 71%, 34%
CMY	1.0000, 0.2863, 0.6588
CMYK	1.00, 0.00, 0.52, 0.29
HSL	149°, 100%, 36%
HSV	149°, 100%, 71%
XYZ	18.4482, 34.1440, 14.6350
YIQ	116.7520, -77.9770, -68.1290

# Conversions

## Conversions Part 2

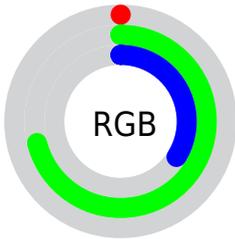
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 123, 182
Decimal	46679
CIELab	65.08, -59.97, 37.34
CIELCh	65, 70.647, 148.094
Yxy	34.1440, 0.2744, 0.5079
Android (android.graphics.Color)	4278236759 (0xFF00B657)
YUV	116.7520, -14.6677, -102.3915
Hunter-Lab	58.4329, -45.9022, 26.0533

# Details

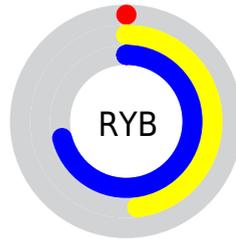
The XYZ color **18.4482, 34.1440, 14.6350** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **21.3579, 10.7718, 11.7806**, and the grayscale version is **16.8937, 17.7735, 19.3553**.

A 20% lighter version of the original color is **40.2460, 66.0300, 35.0500**, and **7.9392, 15.3187, 4.3721** is the 20% darker color. If you saturate the color by 10%, you get **18.4490, 34.1454, 14.6355**, and if you desaturate by 10%, it is **19.1164, 34.4416, 16.8285**.

# Distribution



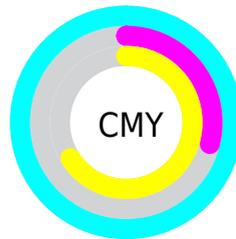
- Red (0%)
- Green (71%)
- Blue (34%)



- Red (0%)
- Yellow (48%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (29%)



- Cyan (100%)
- Magenta (29%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4482, 34.1440, 14.6350 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 18.4482, 34.1440, 14.6350 by changing the saturation by 10% instead.

 18.4482, 34.1440,  
14.6350

 18.4482, 34.1440,  
14.6350

236.3824,  
320.7737, 232.7104

 11.3739, 23.0042,  
8.4199

 40.3237, 66.1575,  
34.9448

 6.3880, 14.5966,  
4.2732

 55.8556, 87.8001,  
49.8765

 3.1253, 8.5368,  
1.7764

 74.9374, 113.7124,  
68.5508

 1.2204, 4.4403,  
0.4123

 97.9345, 144.2788,  
91.3863

 0.1224, 1.9228,  
0.0000

 125.2121,  
179.8838, 118.8014

 0.0000, 0.5620,  
0.0000

 157.1358,

 0.0000, 0.0000,

220.9116, 151.2148

0.0000

194.0707,  
267.7468, 189.0449

■ 18.4482, 34.1440,  
14.6350

■ 18.4482, 34.1440,  
14.6350

■ 18.4490, 34.1454,  
14.6355

■ 19.1164, 34.4416,  
16.8285

■ 20.0720, 34.8802,  
19.3112

■ 21.4061, 35.5077,  
22.0974

■ 23.1633, 36.3468,  
25.1980

■ 25.3817, 37.4169,  
28.6233

■ 28.0948, 38.7351,  
32.3829

■ 31.3329, 40.3169,  
36.4862

■ 35.1238, 42.1765,  
40.9419

■ 39.4932, 44.3270,  
45.7586

# Harmonies

## Analogous

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



24.0388, 34.1440, 6.3268



18.4482, 34.1440, 14.6350



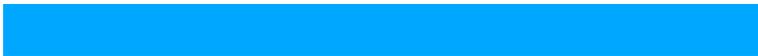
16.4889, 34.1440, 35.3337

# Triad

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



18.4482, 34.1440, 14.6350



31.8027, 34.1440, 126.7580



53.0957, 34.1440, 16.4492

# Complementary

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



18.4482, 34.1440, 14.6350



21.3579, 10.7718, 11.7806

# 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.



56.3653, 34.1440, 39.0833



18.4482, 34.1440, 14.6350



42.6316, 34.1440, 112.3657

# Square

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



18.4482, 34.1440, 14.6350



23.1225, 34.1440, 108.4923



52.1921, 34.1440, 75.6339



44.0060, 34.1440, 6.9201

# Rectangle

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



18.4482, 34.1440, 14.6350



17.1094, 34.1440, 57.5747



52.1921, 34.1440, 75.6339



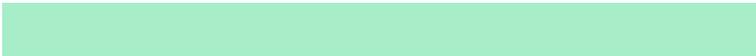
54.9861, 34.1440, 22.2749

# Sweetspot

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



18.4490, 34.1454, 14.6358



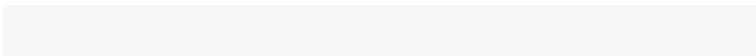
56.4815, 72.9336, 65.7528



21.6658, 36.0024, 5.8073



11.9082, 15.8316, 13.8180



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.4490, 34.1454, 14.6358



33.3288, 61.8557, 25.9129



24.5588, 36.5893, 46.8094



9.0643, 10.1297, 10.4961



13.0612, 24.1254, 10.5100



0.4918, 0.8630, 0.5354



# Inverse Universe

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



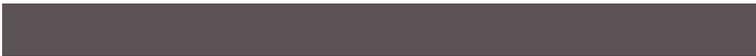
21.3579, 10.7718, 11.7806



38.5998, 19.4802, 20.7238



19.3254, 9.9588, 1.0780



9.1951, 9.0884, 10.3749



15.1158, 7.6201, 8.4968

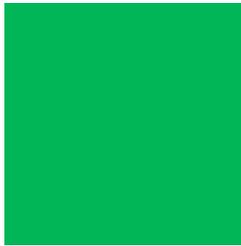


0.5639, 0.2811, 0.4632



# Previews

## White Background



This preview shows how the XYZ color 18.4482, 34.1440, 14.6350 looks on a white background.

## Color Contrast Check

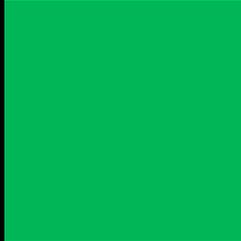
Large Text (above 18pt) WCAG AA × Fail

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 18.4482, 34.1440, 14.6350 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 18.4482, 34.1440, 14.6350**

## **Background**



This preview shows how black text looks on a background with the XYZ color 18.4482, 34.1440, 14.6350.



This preview shows how white text looks on a background with the XYZ color 18.4482, 34.1440,



# 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

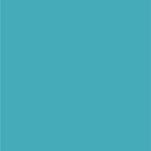
18.4482, 34.1440, 14.6350

### Protanopia

30.7018, 33.5627, 12.2572

### Deuteranopia

34.2071, 33.5861, 15.5063



## Tritanopia

25.8457, 33.9307, 51.0860

# Trichromacy



## Original Color

18.4482, 34.1440, 14.6350



## Protanomaly

21.5896, 31.1966, 12.8663



## Deuteranomaly

22.7373, 30.6783, 14.8483



## Tritanomaly

21.8370, 33.3878, 33.7273

# Monochromacy



## Original Color

18.4482, 34.1440, 14.6350



## Achromatopsia

16.9083, 17.7888, 19.3720



## Achromatomaly

14.9504, 21.5462, 17.0065

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 18.4482, 34.1440, 14.6350 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(0, 182, 87)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 87)  
}
```

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(0, 182, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 87) }
```

## Border

The CSS property to change the border of an element to XYZ 18.4482, 34.1440, 14.6350 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(0, 182, 87) }
```

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

```
.border{ border-color:rgb(0, 182, 87) }
```

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

Here you see how a box with a 4 pixel rgb(0, 182, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 87);  
box-shadow:4px 4px 4px 4px rgb(0, 182, 87)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 18.4482, 34.1440, 14.6350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 87) }
```

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

```
.background{ background-color: rgb(0, 182,  
87) }
```

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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