

# Converting Colors

XYZ(28.0529, 44.1690, 34.8266)

Have a look what the booklet for  
XYZ(28.0529, 44.1690, 34.8266)  
contains.

<b>XYZ(28.0046, 44.1467, 34.6489)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(28.0046, 44.1467,  
34.6489)**

# Conversions

## Conversions Part 1

Format	Color
Hex	43C793
RGB	67, 199, 147
RGB Percent	26%, 78%, 58%
CMY	0.7372, 0.2196, 0.4235
CMYK	0.66, 0.00, 0.26, 0.22
HSL	156°, 54%, 52%
HSV	156°, 66%, 78%
XYZ	28.0046, 44.1467, 34.6489
YIQ	153.6040, -61.9800, -44.1560

# Conversions

## Conversions Part 2

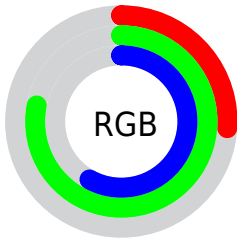
Format	Color
<a href="#">RYB</a>	<a href="#">67, 149, 199</a>
Decimal	<a href="#">4442003</a>
<a href="#">CIELab</a>	<a href="#">72.33, -48.01, 15.74</a>
<a href="#">CIElCh</a>	<a href="#">72, 50.522, 161.844</a>
<a href="#">Yxy</a>	<a href="#">44.1467, 0.2622, 0.4134</a>
Android (android.graphics.Color)	<a href="#">4282632083</a> ( <a href="#">0xFF43C793</a> )
<a href="#">YUV</a>	<a href="#">153.6040, -3.2558, -75.9517</a>
<a href="#">Hunter-Lab</a>	<a href="#">66.4430, -41.0405, 15.5913</a>

# Details

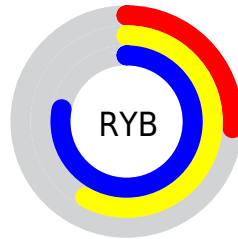
The XYZ color **28.0046, 44.1467, 34.6489** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **28.8915, 17.4894, 19.3075**, and the grayscale version is **30.5760, 32.1683, 35.0313**.

A 20% lighter version of the original color is **55.3559, 80.4042, 67.8603**, and **12.0846, 20.7910, 14.4425** is the 20% darker color. If you saturate the color by 10%, you get **26.2733, 43.3240, 31.4658**, and if you desaturate by 10%, it is **30.2488, 45.2313, 38.0768**.

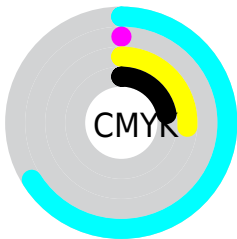
# Distribution



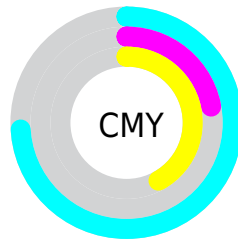
- Red (26%)
- Green (78%)
- Blue (58%)



- Red (26%)
- Yellow (58%)
- Blue (78%)



- Cyan (66%)
- Magenta (0%)
- Yellow (26%)
- Black (22%)



- Cyan (74%)
- Magenta (22%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0046, 44.1467, 34.6489 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 28.0046, 44.1467, 34.6489 by changing the saturation by 10% instead.



■ 28.0046, 44.1467,  
34.6489

■ 28.0046, 44.1467,  
34.6489

284.5686,  
363.3066, 337.8729

■ 18.4696, 30.7859,  
23.1112

■ 55.9004, 81.4384,  
68.0869

■ 11.3894, 20.4358,  
14.4695

■ 74.9919, 106.1381,  
90.8242

■ 6.3986, 12.7123,  
8.3055

■ 97.9996, 135.3862,  
118.1318

■ 3.1319, 7.2307,  
4.2005

■ 125.2888,  
169.5671, 150.4282

■ 1.2239, 3.6068,  
1.7360

■ 157.2250,  
209.0652, 188.1320

■ 0.1251, 1.4561,  
0.3852

194.1734,

■ 0.0000, 0.2576,

254.2649, 231.6617

0.0000

236.4995,  
305.5505, 281.4358

■ 0.0000, 0.0000,  
0.0000

■ 28.0046, 44.1467,  
34.6489

■ 28.0046, 44.1467,  
34.6489

■ 26.2733, 43.3240,  
31.4658

■ 30.2488, 45.2313,  
38.0768

■ 25.0002, 42.7316,  
28.5178

■ 33.0464, 46.5950,  
41.7528

■ 24.1210, 42.3377,  
25.7983

■ 36.4378, 48.2598,  
45.6838

■ 23.8512, 42.2192,  
24.8546

■ 40.4583, 50.2439,  
49.8754

■ 45.1405, 52.5638,  
54.3330

■ 50.5148, 55.2352,  
59.0618

■ 56.6093, 58.2727,  
64.0669

■ 63.4510, 61.6897,  
69.3532

■ 71.0650, 65.4995,  
74.9252

# Harmonies

## Analogous

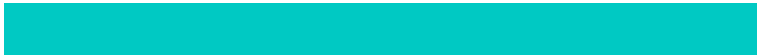
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.7738, 44.1467, 20.5113



28.0046, 44.1467, 34.6489



27.6426, 44.1467, 58.5713

# Triad

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



28.0046, 44.1467, 34.6489



45.4829, 44.1467, 111.7385



55.6751, 44.1467, 22.6957

# Complementary

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



28.0046, 44.1467, 34.6489



28.8915, 17.4894, 19.3075

# 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.



60.5243, 44.1467, 38.9024



28.0046, 44.1467, 34.6489



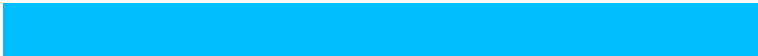
54.1195, 44.1467, 93.2415

# Square

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



28.0046, 44.1467, 34.6489



36.9672, 44.1467, 109.3631



59.9186, 44.1467, 64.5697



47.3835, 44.1467, 15.4340



# Rectangle

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



28.0046, 44.1467, 34.6489



29.3094, 44.1467, 77.9854



59.9186, 44.1467, 64.5697



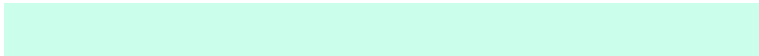
57.8102, 44.1467, 26.9874

# Sweetspot

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



28.0058, 44.1485, 34.6499



75.6440, 90.3502, 91.9804



29.1559, 45.2327, 12.5049



15.6934, 19.0922, 19.2123



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.



28.0058, 44.1485, 34.6499



44.8272, 75.3046, 52.5416



30.1417, 40.3521, 60.2350



10.7629, 11.9940, 12.7015



15.3804, 27.1645, 16.2137



0.7632, 1.3002, 0.9515



# Inverse Universe

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



28.8915, 17.4894, 19.3075



46.5454, 25.2763, 24.0287



27.4509, 18.3151, 7.3991



10.8040, 10.7050, 11.9512



16.0790, 8.1812, 5.6260



0.7968, 0.4016, 0.4533



# Previews

## White Background



This preview shows how the XYZ color 28.0046, 44.1467, 34.6489 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

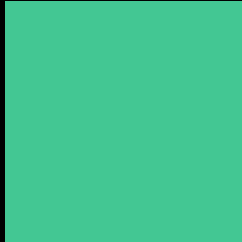
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.0046, 44.1467, 34.6489 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 28.0046, 44.1467, 34.6489**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.0046, 44.1467, 34.6489.



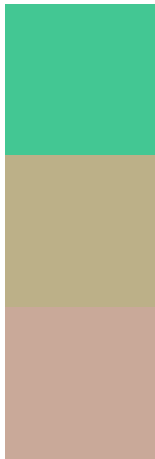
This preview shows how white text looks on a background with the XYZ color 28.0046, 44.1467,



# 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

28.0046, 44.1467, 34.6489

### Protanopia

40.7083, 43.5196, 29.5471

### Deuteranopia

44.0251, 43.0933, 36.1345



## Tritanopia

34.1097, 43.9403, 65.7150

# Trichromacy



## Original Color

28.0046, 44.1467, 34.6489



## Protanomaly

33.3757, 42.1037, 31.1787



## Deuteranomaly

34.8561, 41.5523, 35.4614



## Tritanomaly

31.5284, 43.8802, 52.7069

# Monochromacy



## Original Color

28.0046, 44.1467, 34.6489



## Achromatopsia

30.7148, 32.3143, 35.1903



## Achromatomaly

27.9867, 35.1214, 34.5822

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.0046, 44.1467, 34.6489 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(67, 199, 147)` looks like.

```
.text, #text, p{  
    color:rgb(67, 199, 147)  
}
```

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(67, 199, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 199, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 28.0046, 44.1467, 34.6489 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(67, 199, 147) }
```



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

```
.border{ border-color:rgb(67, 199, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 199, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 199, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 199, 147);  
box-shadow:4px 4px 4px 4px rgb(67, 199,  
147) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.0046, 44.1467, 34.6489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 199, 147) }
```

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

```
.background{ background-color: rgb(67, 199,  
147) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor