

# Converting Colors

XYZ(28.5250, 44.4428, 32.4618)

Have a look what the booklet for  
XYZ(28.5250, 44.4428, 32.4618)  
contains.

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# Color

**XYZ(28.5394, 44.4754,  
32.2797)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50C78D
RGB	80, 199, 141
RGB Percent	31%, 78%, 55%
CMY	0.6863, 0.2196, 0.4471
CMYK	0.60, 0.00, 0.29, 0.22
HSL	151°, 52%, 55%
HSV	151°, 60%, 78%
XYZ	28.5394, 44.4754, 32.2797
YIQ	156.8070, -52.3060, -43.2660

# Conversions

## Conversions Part 2

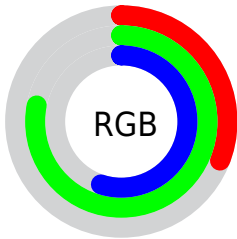
Format	Color
<a href="#">RYB</a>	<a href="#">80, 159, 199</a>
Decimal	<a href="#">5293965</a>
CIELab	<a href="#">72.55, -46.84, 19.31</a>
CIELCh	<a href="#">73, 50.667, 157.602</a>
Yxy	<a href="#">44.4754, 0.2710, 0.4224</a>
Android (android.graphics.Color)	<a href="#">4283484045 (0xFF50C78D)</a>
YUV	<a href="#">156.8070, -7.7929, -67.3597</a>
Hunter-Lab	<a href="#">66.6899, -40.3196, 17.9850</a>

# Details

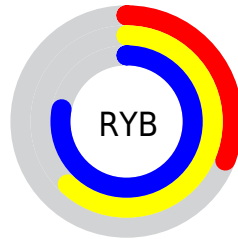
The XYZ color **28.5394, 44.4754, 32.2797** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **31.0107, 19.7154, 26.2174**, and the grayscale version is **32.0128, 33.6800, 36.6775**.

A 20% lighter version of the original color is **56.2578, 80.9491, 64.2894**, and **11.8616, 20.7018, 13.2682** is the 20% darker color. If you saturate the color by 10%, you get **26.4112, 43.4592, 28.5767**, and if you desaturate by 10%, it is **31.2307, 45.7769, 36.3410**.

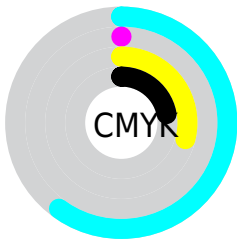
# Distribution



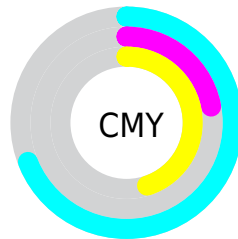
- Red (31%)
- Green (78%)
- Blue (55%)



- Red (31%)
- Yellow (62%)
- Blue (78%)



- Cyan (60%)
- Magenta (0%)
- Yellow (29%)
- Black (22%)




- Cyan (69%)
- Magenta (22%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5394, 44.4754, 32.2797 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 28.5394, 44.4754, 32.2797 by changing the saturation by 10% instead.





 28.5394, 44.4754,  
32.2797


 28.5394, 44.4754,  
32.2797


287.0690,  
364.6447, 326.9233


 18.8752, 31.0444,  
21.3086


 56.7471, 81.9326,  
64.3523


 11.6836, 20.6327,  
13.1564


 76.0213, 106.7277,  
86.2909

 6.5993, 12.8558,  
7.4043


 99.2296, 136.0795,  
112.7225

 3.2569, 7.3293,  
3.6340

 126.7373,  
170.3726, 144.0655

 1.2910, 3.6689,  
1.4268

158.9097,  
209.9912, 180.7386

 0.1765, 1.4901,  
0.1625

196.1122,

 0.0000, 0.2818,

255.3199, 223.1602

0.0000

238.7102,  
306.7429, 271.7490

■ 0.0000, 0.0000,  
0.0000

■ 28.5394, 44.4754,  
32.2797

■ 28.5394, 44.4754,  
32.2797

■ 26.4112, 43.4592,  
28.5767

■ 31.2307, 45.7769,  
36.3410

■ 24.7955, 42.6989,  
25.2184

■ 34.5230, 47.3796,  
40.7675

■ 23.6381, 42.1681,  
22.1944

■ 38.4548, 49.3043,  
45.5700

■ 22.8376, 41.8144,  
19.4907

■ 43.0603, 51.5684,  
50.7575

■ 22.8229, 41.8079,  
19.4393

■ 48.3711, 54.1882,  
56.3389

■ 54.4169, 57.1788,  
62.3226

■ 61.2256, 60.5543,  
68.7171

■ 68.8236, 64.3283,  
75.5300

■ 75.7092, 67.7265,  
82.6979

# Harmonies

## Analogous

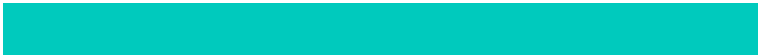
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.8096, 44.4754, 19.3904



28.5394, 44.4754, 32.2797



27.6845, 44.4754, 55.0890

# Triad

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



28.5394, 44.4754, 32.2797



44.5391, 44.4754, 113.6639



57.0628, 44.4754, 24.5617

# Complementary

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



28.5394, 44.4754, 32.2797



31.0107, 19.7154, 26.2174

# 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.



61.2522, 44.4754, 42.3234



28.5394, 44.4754, 32.2797



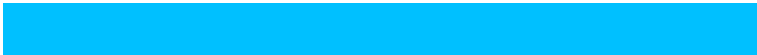
53.3997, 44.4754, 97.5503

# Square

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



28.5394, 44.4754, 32.2797



36.1766, 44.4754, 108.0823



59.8266, 44.4754, 69.2192



49.0174, 44.4754, 16.1275



# Rectangle

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



28.5394, 44.4754, 32.2797



29.0395, 44.4754, 74.3773



59.8266, 44.4754, 69.2192



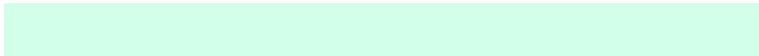
59.0159, 44.4754, 29.3455

# Sweetspot

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



28.5406, 44.4772, 32.2807



76.7377, 90.9519, 90.3235



32.6040, 46.9601, 14.9357



15.8765, 19.1973, 18.7371



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.



28.5406, 44.4772, 32.2807



45.2262, 75.6101, 48.0528



34.0419, 46.6777, 61.2505



10.7206, 11.9771, 12.4788



14.7195, 26.9002, 12.7334



0.7335, 1.2883, 0.7952



# Inverse Universe

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



31.0107, 19.7154, 26.2174



49.9419, 28.3868, 36.5133



27.8710, 18.4595, 9.6840



10.8457, 10.7217, 12.1706



16.5764, 8.3801, 8.2454



0.8215, 0.4114, 0.5830



# Previews

## White Background



This preview shows how the XYZ color 28.5394, 44.4754, 32.2797 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 28.5394, 44.4754, 32.2797 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

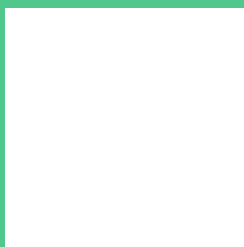
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 28.5394, 44.4754, 32.2797**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.5394, 44.4754, 32.2797.



This preview shows how white text looks on a background with the XYZ color 28.5394, 44.4754,



# 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

28.5394, 44.4754, 32.2797

### Protanopia

40.6083, 43.5082, 27.7304

### Deuteranopia

44.5430, 43.6934, 33.6898



## Tritanopia

35.1382, 44.4845, 65.1269

# Trichromacy



## Original Color

28.5394, 44.4754, 32.2797



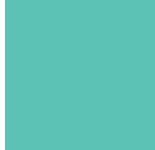
## Protanomaly

33.9081, 42.4198, 29.3224



## Deuteranomaly

35.9328, 42.4630, 33.0904



## Tritanomaly

32.2495, 44.2881, 51.1047

# Monochromacy



## Original Color

28.5394, 44.4754, 32.2797



## Achromatopsia

32.0474, 33.7164, 36.7171



## Achromatomaly

29.3917, 36.4065, 34.7562

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.5394, 44.4754, 32.2797 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(80, 199, 141)` looks like.

```
.text, #text, p{  
    color:rgb(80, 199, 141)  
}
```

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(80, 199, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 199, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 28.5394, 44.4754, 32.2797 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(80, 199, 141) }
```



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

```
.border{ border-color:rgb(80, 199, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 199, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 199, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 199, 141);  
box-shadow:4px 4px 4px 4px rgb(80, 199,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.5394, 44.4754, 32.2797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 199, 141) }
```

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

```
.background{ background-color: rgb(80, 199,  
141) }
```

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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