

# Converting Colors

XYZ(28.2631, 42.0528, 35.8445)

Have a look what the booklet for  
XYZ(28.2631, 42.0528, 35.8445)  
contains.

<b>XYZ(28.1819, 41.8649, 35.8736)</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(28.1819, 41.8649,  
35.8736)**

# Conversions

## Conversions Part 1

Format	Color
Hex	55C097
RGB	85, 192, 151
RGB Percent	33%, 75%, 59%
CMY	0.6667, 0.2470, 0.4078
CMYK	0.56, 0.00, 0.21, 0.25
HSL	157°, 46%, 54%
HSV	157°, 56%, 75%
XYZ	28.1819, 41.8649, 35.8736
YIQ	155.3330, -50.6110, -35.4350

# Conversions

## Conversions Part 2

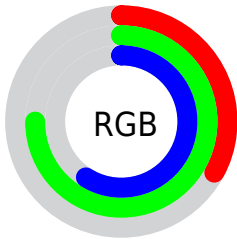
<b>Format</b>	<b>Color</b>
<b>RYB</b>	85, 151, 192
Decimal	5619863
CIELab	70.78, -40.63, 11.48
CIELCh	71, 42.221, 164.219
Yxy	41.8649, 0.2661, 0.3952
Android (android.graphics.Color)	4283809943 (0xFF55C097)
YUV	155.3330, -2.1362, -61.6820
Hunter-Lab	64.7031, -35.4834, 12.4198

# Details

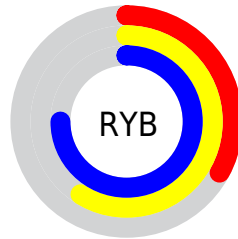
The XYZ color **28.1819, 41.8649, 35.8736** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **28.7540, 19.2109, 21.9330**, and the grayscale version is **31.3295, 32.9611, 35.8946**.

A 20% lighter version of the original color is **56.2228, 77.9988, 69.8496**, and **11.5267, 19.1682, 15.1489** is the 20% darker color. If you saturate the color by 10%, you get **26.0908, 40.8549, 32.7539**, and if you desaturate by 10%, it is **30.7855, 43.1370, 39.2138**.

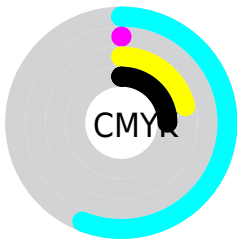
# Distribution



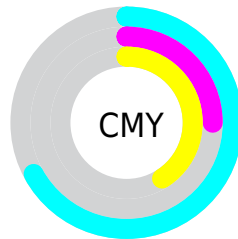
- Red (33%)
- Green (75%)
- Blue (59%)



- Red (33%)
- Yellow (59%)
- Blue (75%)



- Cyan (56%)
- Magenta (0%)
- Yellow (21%)
- Black (25%)




- Cyan (67%)
- Magenta (25%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1819, 41.8649, 35.8736 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 28.1819, 41.8649, 35.8736 by changing the saturation by 10% instead.





 28.1819, 41.8649,  
35.8736


 28.1819, 41.8649,  
35.8736


285.3994,  
353.9226, 343.4284


 18.6040, 28.9955,  
24.0477


 56.1813, 77.9951,  
70.0038


 11.4868, 19.0774,  
15.1565


 75.3336, 102.0247,  
93.1451

 6.4649, 11.7262,  
8.7814


 98.4079, 130.5432,  
120.8953

 3.1731, 6.5576,  
4.5040

 125.7698,  
163.9350, 153.6729

 1.2460, 3.1870,  
1.9057

157.7845,  
202.5844, 191.8965

 0.1422, 1.2301,  
0.4964

194.8175,

 0.0000, 0.0861,

246.8759, 235.9846

0.0000

237.2340,  
297.1938, 286.3557

■ 0.0000, 0.0000,  
0.0000

■ 28.1819, 41.8649,  
35.8736

■ 28.1819, 41.8649,  
35.8736

■ 26.0908, 40.8549,  
32.7539

■ 30.7855, 43.1370,  
39.2138

■ 24.4688, 40.0814,  
29.8465

■ 33.9336, 44.6843,  
42.7767

■ 23.2708, 39.5223,  
27.1464

■ 37.6597, 46.5251,  
46.5681

■ 22.4394, 39.1482,  
24.6473

■ 41.9933, 48.6746,  
50.5927

■ 22.1459, 39.0189,  
23.6377

■ 46.9620, 51.1468,  
54.8549

■ 52.5916, 53.9551,  
59.3590

■ 58.9064, 57.1120,  
64.1093

■ 65.9297, 60.6292,  
69.1098

■ 72.6432, 63.9818,  
74.3158

# Harmonies

## Analogous

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



31.1143, 41.8649, 23.1430



28.1819, 41.8649, 35.8736



28.1065, 41.8649, 55.7353

# Triad

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



28.1819, 41.8649, 35.8736



43.1938, 41.8649, 94.1586



50.2507, 41.8649, 23.6195

# Complementary

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



28.1819, 41.8649, 35.8736



28.7540, 19.2109, 21.9330

# 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.



54.3347, 41.8649, 36.7464



28.1819, 41.8649, 35.8736



49.9480, 41.8649, 79.2115

# Square

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



28.1819, 41.8649, 35.8736



36.2381, 41.8649, 93.7179



54.2178, 41.8649, 56.9048



43.5695, 41.8649, 17.6193



# Rectangle

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



28.1819, 41.8649, 35.8736



29.6568, 41.8649, 70.9121



54.2178, 41.8649, 56.9048



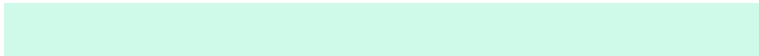
52.0059, 41.8649, 27.1435

# Sweetspot

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



28.1830, 41.8666, 35.8746



74.8002, 87.5534, 90.5137



29.0973, 42.7938, 15.3215



15.6945, 18.6081, 19.0973



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



28.1830, 41.8666, 35.8746



46.5104, 73.6581, 58.0762



29.4859, 38.1864, 55.6877



10.1996, 11.3609, 12.0547



14.9402, 26.2702, 16.1102



0.6783, 1.1482, 0.8688



# Inverse Universe

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



28.7540, 19.2109, 21.9330



47.6783, 28.5056, 30.4394



27.6987, 20.5025, 11.0926



10.2294, 10.1403, 11.2983



15.4850, 7.8837, 5.1999



0.7028, 0.3541, 0.4021



# Previews

## White Background



This preview shows how the XYZ color 28.1819, 41.8649, 35.8736 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

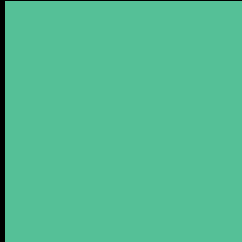
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.1819, 41.8649, 35.8736 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

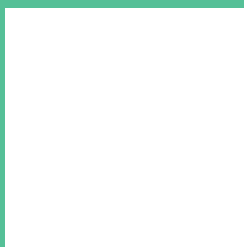
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 28.1819, 41.8649, 35.8736**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.1819, 41.8649, 35.8736.



This preview shows how white text looks on a background with the XYZ color 28.1819, 41.8649,



# 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

28.1819, 41.8649, 35.8736

### Protanopia

38.8516, 41.3732, 31.1374

### Deuteranopia

41.9702, 41.1761, 37.6340



## Tritanopia

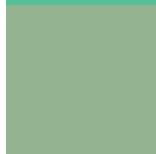
33.1411, 41.6348, 60.9332

# Trichromacy



## Original Color

28.1819, 41.8649, 35.8736



## Protanomaly

33.2636, 40.4876, 32.8498



## Deuteranomaly

34.5728, 39.8965, 36.8890



## Tritanomaly

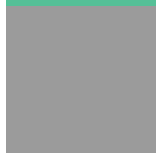
31.1460, 41.7767, 50.6781

# Monochromacy



## Original Color

28.1819, 41.8649, 35.8736



## Achromatopsia

31.1553, 32.7778, 35.6950



## Achromatomaly

29.0413, 35.0842, 35.8131

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.1819, 41.8649, 35.8736 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(85, 192, 151)` looks like.

```
.text, #text, p{  
    color:rgb(85, 192, 151)  
}
```

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(85, 192, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 192, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 28.1819, 41.8649, 35.8736 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".

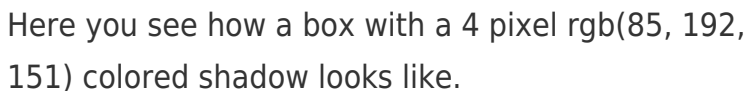
```
.border, #border, table{ border:4px solid rgb(85, 192, 151) }
```



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

```
.border{ border-color:rgb(85, 192, 151) }
```

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



Here you see how a box with a 4 pixel `rgb(85, 192, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 192, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 192, 151);  
box-shadow:4px 4px 4px 4px rgb(85, 192,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.1819, 41.8649, 35.8736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 192, 151) }
```

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

```
.background{ background-color: rgb(85, 192,  
151) }
```

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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