

Converting Colors

XYZ(29.2225, 44.4374, 36.0224)

Have a look what the booklet for
XYZ(29.2225, 44.4374, 36.0224)
contains.

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Color

**XYZ(29.1788, 44.3840,
35.8833)**

Conversions

Conversions Part 1

Format	Color
Hex	52C696
RGB	82, 198, 150
RGB Percent	32%, 78%, 59%
CMY	0.6784, 0.2235, 0.4118
CMYK	0.59, 0.00, 0.24, 0.22
HSL	155°, 50%, 55%
HSV	155°, 59%, 78%
XYZ	29.1788, 44.3840, 35.8833
YIQ	157.8440, -53.7280, -39.5200

Conversions

Conversions Part 2

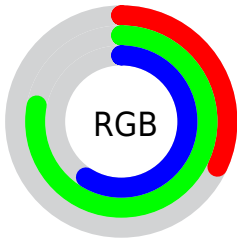
Format	Color
RYB	82, 155, 198
Decimal	5424790
CIELab	72.48, -44.10, 14.41
CIElCh	72, 46.396, 161.902
Yxy	44.3840, 0.2666, 0.4055
Android (android.graphics.Color)	4283614870 (0xFF52C696)
YUV	157.8440, -3.8671, -66.5152
Hunter-Lab	66.6213, -38.4079, 14.7004

Details

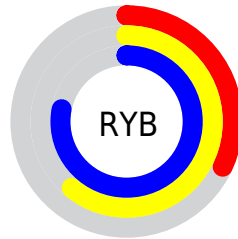
The XYZ color **29.1788, 44.3840, 35.8833** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **30.3367, 19.6532, 23.3153**, and the grayscale version is **32.4642, 34.1548, 37.1946**.

A 20% lighter version of the original color is **57.6436, 81.5424, 69.8279**, and **12.0746, 20.5458, 15.1337** is the 20% darker color. If you saturate the color by 10%, you get **27.0623, 43.3677, 32.4603**, and if you desaturate by 10%, it is **31.8405, 45.6784, 39.5746**.

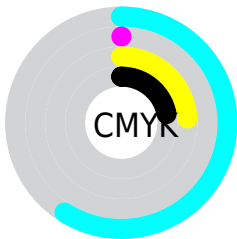
Distribution



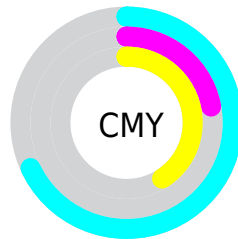
- Red (32%)
- Green (78%)
- Blue (59%)



- Red (32%)
- Yellow (61%)
- Blue (78%)



- Cyan (59%)
- Magenta (0%)
- Yellow (24%)
- Black (22%)



- Cyan (68%)
- Magenta (22%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1788, 44.3840, 35.8833 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 29.1788, 44.3840, 35.8833 by changing the saturation by 10% instead.

■ 29.1788, 44.3840,
35.8833

■ 29.1788, 44.3840,
35.8833

290.0367,
364.2730, 343.4722

■ 19.3611, 30.9725,
24.0551

■ 57.7566, 81.7953,
70.0189

■ 12.0370, 20.5779,
15.1619

■ 77.2475, 106.5638,
93.1634

■ 6.8413, 12.8158,
8.7852

■ 100.6934,
135.8868, 120.9171

■ 3.4085, 7.3018,
4.5065

■ 128.4597,
170.1488, 153.6985

■ 1.3733, 3.6516,
1.9071

160.9119,
209.7339, 191.9262

■ 0.2371, 1.4806,
0.4972

198.4152,

■ 0.0000, 0.2750,

255.0268, 236.0186

0.0000

241.3350,
306.4116, 286.3945

■ 0.0000, 0.0000,
0.0000

■ 29.1788, 44.3840,
35.8833

■ 29.1788, 44.3840,
35.8833

■ 27.0623, 43.3677,
32.4603

■ 31.8405, 45.6784,
39.5746

■ 25.4425, 42.6010,
29.2955

■ 35.0836, 47.2659,
43.5378

■ 24.2678, 42.0587,
26.3826

■ 38.9451, 49.1667,
47.7802

■ 23.4542, 41.6975,
23.7122

■ 43.4580, 51.3976,
52.3078

■ 23.3512, 41.6523,
23.3528

■ 48.6527, 53.9743,
57.1264

■ 54.5577, 56.9114,
62.2415

■ 61.1998, 60.2225,
67.6587

■ 68.6046, 63.9207,
73.3831

■ 74.8546, 67.0176,
79.3291

Harmonies

Analogous

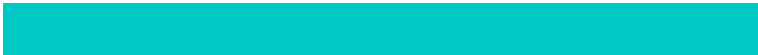
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.7164, 44.3840, 22.3778



29.1788, 44.3840, 35.8833



28.8433, 44.3840, 58.0023

Triad

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



29.1788, 44.3840, 35.8833



45.4411, 44.3840, 105.5821



54.7130, 44.3840, 24.4558

Complementary

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



29.1788, 44.3840, 35.8833



30.3367, 19.6532, 23.3153

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.



59.1144, 44.3840, 39.7916



29.1788, 44.3840, 35.8833



53.3256, 44.3840, 89.1317

Square

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



29.1788, 44.3840, 35.8833



37.5817, 44.3840, 103.5190



58.5767, 44.3840, 63.3578



47.1511, 44.3840, 17.3644

Rectangle

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



29.1788, 44.3840, 35.8833



30.4190, 44.3840, 75.5730



58.5767, 44.3840, 63.3578



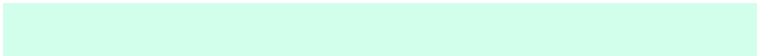
56.6518, 44.3840, 28.5700

Sweetspot

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



29.1800, 44.3858, 35.8843



77.2240, 91.1464, 92.8846



30.9756, 45.7715, 15.1855



15.9952, 19.2447, 19.3619



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.



29.1800, 44.3858, 35.8843



47.1348, 76.4188, 56.0551



31.7286, 41.9818, 59.8592



10.7539, 11.9904, 12.6540



15.2287, 27.1039, 15.4150



0.7565, 1.2975, 0.9165

Inverse Universe

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



30.3367, 19.6532, 23.3153



49.3934, 28.7118, 31.9468



28.6113, 20.2127, 10.3768



10.8128, 10.7085, 11.9976



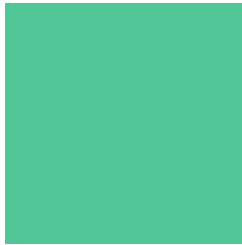
16.1744, 8.2193, 6.1284



0.8017, 0.4035, 0.4791

Previews

White Background



This preview shows how the XYZ color 29.1788, 44.3840, 35.8833 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 29.1788, 44.3840, 35.8833 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

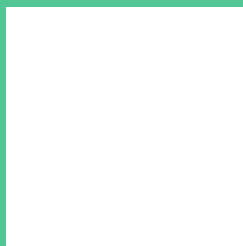
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.1788, 44.3840, 35.8833

Background



This preview shows how black text looks on a background with the XYZ color 29.1788, 44.3840, 35.8833.

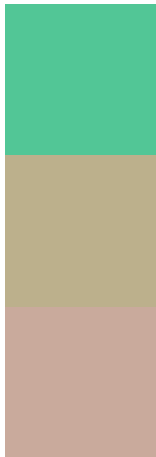


This preview shows how white text looks on a background with the XYZ color 29.1788, 44.3840,

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

29.1788, 44.3840, 35.8833

Protanopia

40.9980, 43.6355, 31.0726

Deuteranopia

44.4629, 43.5673, 37.5184



Tritanopia

35.0269, 44.4272, 65.1217

Trichromacy



Original Color

29.1788, 44.3840, 35.8833



Protanomaly

34.5690, 42.6842, 32.8024



Deuteranomaly

36.2545, 42.2447, 36.8151



Tritanomaly

32.6689, 44.4559, 53.3134

Monochromacy



Original Color

29.1788, 44.3840, 35.8833



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

30.0659, 36.9995, 36.5673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1788, 44.3840, 35.8833 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(82, 198, 150)` looks like.

```
.text, #text, p{  
    color:rgb(82, 198, 150)  
}
```

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(82, 198, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 198, 150) }
```

Border

The CSS property to change the border of an element to XYZ 29.1788, 44.3840, 35.8833 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(82, 198, 150) }
```


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

```
.border{ border-color:rgb(82, 198, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 198, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 198, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 198, 150);  
box-shadow:4px 4px 4px 4px rgb(82, 198,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1788, 44.3840, 35.8833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 198, 150) }
```

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

```
.background{ background-color: rgb(82, 198,  
150) }
```

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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