

Converting Colors

XYZ(27.2784, 41.9841, 39.1926)

Have a look what the booklet for
XYZ(27.2784, 41.9841, 39.1926)
contains.

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Color

**XYZ(27.2670, 41.9820,
39.0140)**

Conversions

Conversions Part 1

Format	Color
Hex	3BC29E
RGB	59, 194, 158
RGB Percent	23%, 76%, 62%
CMY	0.7686, 0.2392, 0.3804
CMYK	0.70, 0.00, 0.19, 0.24
HSL	164°, 53%, 50%
HSV	164°, 70%, 76%
XYZ	27.2670, 41.9820, 39.0140
YIQ	149.5310, -68.9040, -39.8160

Conversions

Conversions Part 2

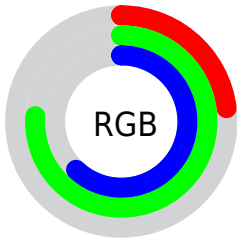
Format	Color
RYB	59, 137, 194
Decimal	3916446
CIELab	70.86, -44.63, 7.70
CIElCh	71, 45.286, 170.206
Yxy	41.9820, 0.2519, 0.3878
Android (android.graphics.Color)	4282106526 (0xFF3BC29E)
YUV	149.5310, 4.1752, -79.3957
Hunter-Lab	64.7935, -38.2707, 9.6553

Details

The XYZ color **27.2670, 41.9820, 39.0140** 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 **25.8791, 15.4246, 12.4415**, and the grayscale version is **28.7959, 30.2955, 32.9918**.

A 20% lighter version of the original color is **54.6758, 78.0094, 75.1264**, and **11.8865, 19.5268, 17.0525** is the 20% darker color. If you saturate the color by 10%, you get **25.8879, 41.3225, 36.6741**, and if you desaturate by 10%, it is **29.0943, 42.8725, 41.4746**.

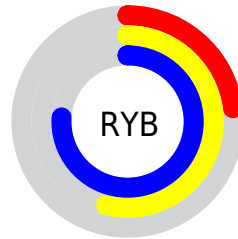
Distribution



Red (23%)

Green (76%)

Blue (62%)



Red (23%)

Yellow (54%)

Blue (76%)

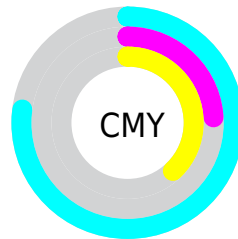


Cyan (70%)

Magenta (0%)

Yellow (19%)

Black (24%)



Cyan (77%)

Magenta (24%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2670, 41.9820, 39.0140 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 27.2670, 41.9820, 39.0140 by changing the saturation by 10% instead.

■ 27.2670, 41.9820,
39.0140

■ 27.2670, 41.9820,
39.0140

281.0916,
354.4083, 357.3777

■ 17.9115, 29.0872,
26.4627

■ 54.7289, 78.1724,
74.8803

■ 10.9858, 19.1468,
16.9412

■ 73.5660, 102.2368,
99.0324

■ 6.1245, 11.7764,
10.0311

■ 96.2943, 130.7931,
127.8884

■ 2.9623, 6.5916,
5.3137

■ 123.2791,
164.2258, 161.8670

■ 1.1339, 3.2080,
2.3705

■ 154.8860,
202.9193, 201.3867

■ 0.0532, 1.2413,
0.7703

191.4801,

■ 0.0000, 0.0950,

247.2580, 246.8661

0.0000

233.4268,
297.6262, 298.7236

■ 0.0000, 0.0000,
0.0000

■ 27.2670, 41.9820,
39.0140

■ 27.2670, 41.9820,
39.0140

■ 25.8879, 41.3225,
36.6741

■ 29.0943, 42.8725,
41.4746

■ 24.9031, 40.8630,
34.4485

■ 31.4091, 44.0111,
44.0561

■ 24.2212, 40.5576,
32.3326

■ 34.2500, 45.4186,
46.7625

■ 24.1950, 40.5460,
32.2469

■ 37.6507, 47.1126,
49.5964

■ 41.6424, 49.1089,
52.5603

■ 46.2534, 51.4222,
55.6569

■ 51.5107, 54.0664,
58.8882

■ 57.4392, 57.0542,
62.2567

■ 64.0628, 60.3980,
65.7644

Harmonies

Analogous

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



29.7789, 41.9820, 23.9754



27.2670, 41.9820, 39.0140



27.7981, 41.9820, 61.5831

Triad

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



27.2670, 41.9820, 39.0140



45.1159, 41.9820, 96.7173



49.9061, 41.9820, 20.6781

Complementary

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



27.2670, 41.9820, 39.0140



25.8791, 15.4246, 12.4415

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.



55.0922, 41.9820, 32.8316



27.2670, 41.9820, 39.0140



52.0944, 41.9820, 77.7209

Square

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



27.2670, 41.9820, 39.0140



37.4900, 41.9820, 99.9633



55.9399, 41.9820, 53.1342



42.4167, 41.9820, 15.8142

Rectangle

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



27.2670, 41.9820, 39.0140



29.8341, 41.9820, 78.0474



55.9399, 41.9820, 53.1342



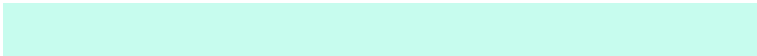
52.0143, 41.9820, 23.8269

Sweetspot

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



27.2682, 41.9836, 39.0150



74.0993, 88.2970, 94.2670



25.0390, 41.4562, 10.8206



15.7684, 19.1066, 20.3095



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.



27.2682, 41.9836, 39.0150



45.7945, 74.3437, 64.0997



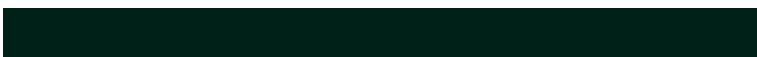
24.9527, 31.6467, 55.8341



10.2502, 11.3811, 12.3207



15.9424, 26.6710, 21.3874



0.7161, 1.1633, 1.0679

Inverse Universe

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



25.8791, 15.4246, 12.4415



43.2352, 23.1857, 13.4922



26.5492, 18.8070, 6.3693



10.1810, 10.1210, 11.0439



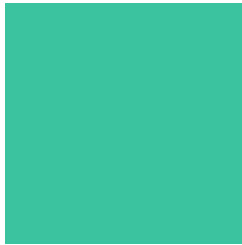
15.0607, 7.7140, 2.9656



0.6804, 0.3452, 0.2846

Previews

White Background



This preview shows how the XYZ color 27.2670, 41.9820, 39.0140 looks on a white background.

Color Contrast Check

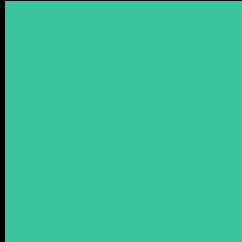
Large Text (above 18pt) WCAG AA × Fail

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 27.2670, 41.9820, 39.0140 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

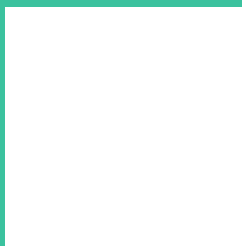
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.2670, 41.9820, 39.0140

Background



This preview shows how black text looks on a background with the XYZ color 27.2670, 41.9820, 39.0140.

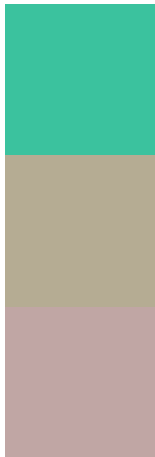


This preview shows how white text looks on a background with the XYZ color 27.2670, 41.9820,

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

27.2670, 41.9820, 39.0140

Protanopia

39.0750, 41.4354, 33.5421

Deuteranopia

42.0753, 41.1592, 40.8489



Tritanopia

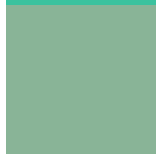
32.0710, 41.9837, 62.9133

Trichromacy



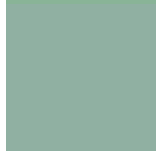
Original Color

27.2670, 41.9820, 39.0140



Protanomaly

32.2237, 40.1952, 35.3382



Deuteranomaly

33.5485, 39.5886, 40.0556



Tritanomaly

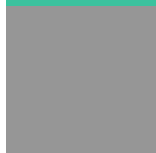
30.0556, 41.7925, 53.4964

Monochromacy



Original Color

27.2670, 41.9820, 39.0140



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

26.7221, 33.3543, 35.1666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2670, 41.9820, 39.0140 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(59, 194, 158)` looks like.

```
.text, #text, p{  
    color:rgb(59, 194, 158)  
}
```

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(59, 194, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 194, 158) }
```

Border

The CSS property to change the border of an element to XYZ 27.2670, 41.9820, 39.0140 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(59, 194, 158) }
```


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

```
.border{ border-color:rgb(59, 194, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 194, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 194, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 194, 158);  
box-shadow:4px 4px 4px 4px rgb(59, 194,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2670, 41.9820, 39.0140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 194, 158) }
```

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

```
.background{ background-color: rgb(59, 194,  
158) }
```

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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