

Converting Colors

XYZ(27.2162, 43.0341, 35.7261)

Have a look what the booklet for
XYZ(27.2162, 43.0341, 35.7261)
contains.

XYZ(27.2162, 43.0341, 35.7261)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.2162, 43.0341,
35.7261)**

Conversions

Conversions Part 1

Format	Color
Hex	3AC596
RGB	58, 197, 150
RGB Percent	23%, 77%, 59%
CMY	0.7725, 0.2274, 0.4118
CMYK	0.71, 0.00, 0.24, 0.23
HSL	160°, 55%, 50%
HSV	160°, 71%, 77%
XYZ	27.2162, 43.0341, 35.7261
YIQ	150.0810, -67.7570, -44.0850

Conversions

Conversions Part 2

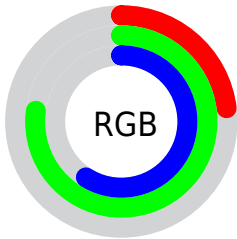
Format	Color
RYB	58, 142, 197
Decimal	3851670
CIELab	71.58, -47.93, 13.05
CIELCh	72, 49.678, 164.768
Yxy	43.0341, 0.2568, 0.4061
Android (android.graphics.Color)	4282041750 (0xFF3AC596)
YUV	150.0810, -0.0399, -80.7550
Hunter-Lab	65.6004, -40.7448, 13.6308

Details

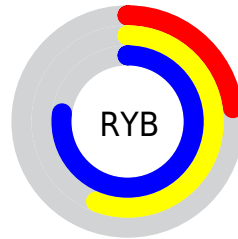
The XYZ color **27.2162, 43.0341, 35.7261** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **27.0903, 15.9174, 15.0108**, and the grayscale version is **29.0457, 30.5584, 33.2781**.

A 20% lighter version of the original color is **54.8275, 80.0906, 69.6961**, and **11.9251, 20.2469, 15.0839** is the 20% darker color. If you saturate the color by 10%, you get **25.7614, 42.3454, 32.9376**, and if you desaturate by 10%, it is **29.1419, 43.9642, 38.6977**.

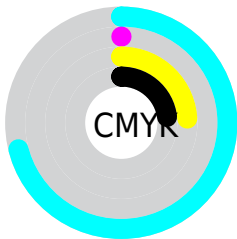
Distribution



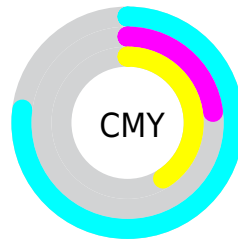
- Red (23%)
- Green (77%)
- Blue (59%)



- Red (23%)
- Yellow (56%)
- Blue (77%)



- Cyan (71%)
- Magenta (0%)
- Yellow (24%)
- Black (23%)



- Cyan (77%)
- Magenta (23%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2162, 43.0341, 35.7261 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 27.2162, 43.0341, 35.7261 by changing the saturation by 10% instead.

■ 27.2162, 43.0341,
35.7261

■ 27.2162, 43.0341,
35.7261

280.8509,
358.7520, 342.7629

■ 17.8731, 29.9119,
23.9347

■ 54.6480, 79.7623,
69.7734

■ 10.9580, 19.7717,
15.0734

■ 73.4675, 104.1371,
92.8664

■ 6.1057, 12.2292,
8.7238

■ 96.1764, 133.0315,
120.5636

■ 2.9507, 6.9000,
4.4671

■ 123.1402,
166.8300, 153.2837

■ 1.1278, 3.3996,
1.8849

■ 154.7242,
205.9168, 191.4451

■ 0.0482, 1.3438,
0.4831

191.2937,

■ 0.0000, 0.1747,

250.6765, 235.4664

0.0000

233.2142,
301.4935, 285.7662

■ 0.0000, 0.0000,
0.0000

■ 27.2162, 43.0341,
35.7261

■ 27.2162, 43.0341,
35.7261

■ 25.7614, 42.3454,
32.9376

■ 29.1419, 43.9642,
38.6977

■ 24.7202, 41.8655,
30.3241

■ 31.5801, 45.1538,
41.8542

■ 24.0224, 41.5562,
28.0109

■ 34.5717, 46.6250,
45.2009

■ 38.1525, 48.3963,
48.7418

■ 42.3550, 50.4844,
52.4809

■ 47.2094, 52.9047,
56.4220

■ 52.7437, 55.6717,
60.5687

■ 58.9846, 58.7991,
64.9244

■ 65.9570, 62.2996,
69.4926

Harmonies

Analogous

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



30.5517, 43.0341, 21.0947



27.2162, 43.0341, 35.7261



27.1904, 43.0341, 59.6618

Triad

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



27.2162, 43.0341, 35.7261



45.1585, 43.0341, 107.3127



53.4720, 43.0341, 21.2507

Complementary

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



27.2162, 43.0341, 35.7261



27.0903, 15.9174, 15.0108

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.



58.5890, 43.0341, 36.0291



27.2162, 43.0341, 35.7261



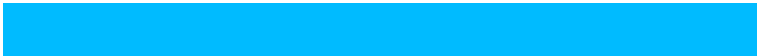
53.3615, 43.0341, 87.9579

Square

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



27.2162, 43.0341, 35.7261



36.8049, 43.0341, 107.1443



58.5459, 43.0341, 60.0881



45.2937, 43.0341, 14.9001

Rectangle

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



27.2162, 43.0341, 35.7261



29.0196, 43.0341, 78.4872



58.5459, 43.0341, 60.0881



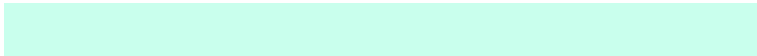
55.6538, 43.0341, 25.1223

Sweetspot

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



27.2174, 43.0358, 35.7271



75.2389, 90.1081, 93.4654



26.7528, 43.3440, 10.9598



15.6332, 19.0525, 19.5975



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.



27.2174, 43.0358, 35.7271



44.9818, 75.3021, 56.2614



27.3791, 36.0420, 58.3392



10.7884, 12.0042, 12.8358



15.8403, 27.3485, 18.6354



0.7829, 1.3081, 1.0552

Inverse Universe

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



27.0903, 15.9174, 15.0108



44.8404, 23.8220, 17.4309



26.5762, 17.7473, 6.0284



10.7794, 10.6951, 11.8215



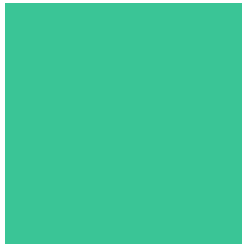
15.8393, 8.0853, 4.3635



0.7839, 0.3964, 0.3853

Previews

White Background



This preview shows how the XYZ color 27.2162, 43.0341, 35.7261 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 27.2162, 43.0341, 35.7261 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

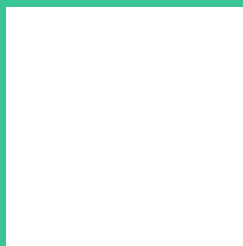
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.2162, 43.0341, 35.7261

Background



This preview shows how black text looks on a background with the XYZ color 27.2162, 43.0341, 35.7261.



This preview shows how white text looks on a background with the XYZ color 27.2162, 43.0341,

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

27.2162, 43.0341, 35.7261

Protanopia

39.8038, 42.4505, 30.5220

Deuteranopia

43.0293, 42.2759, 37.3447



Tritanopia

33.0002, 43.0737, 64.3324

Trichromacy



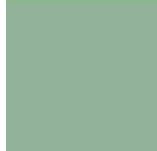
Original Color

27.2162, 43.0341, 35.7261



Protanomaly

32.3333, 40.9280, 32.1824



Deuteranomaly

33.8069, 40.6843, 36.6429



Tritanomaly

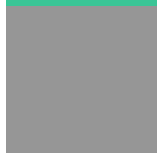
30.6510, 43.0986, 52.6023

Monochromacy



Original Color

27.2162, 43.0341, 35.7261



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

26.6599, 33.6213, 33.9386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2162, 43.0341, 35.7261 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(58, 197, 150)` looks like.

```
.text, #text, p{  
    color:rgb(58, 197, 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(58, 197, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 197, 150) }
```

Border

The CSS property to change the border of an element to XYZ 27.2162, 43.0341, 35.7261 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(58, 197, 150) }
```


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

```
.border{ border-color:rgb(58, 197, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 197, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 197, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 197, 150);  
box-shadow:4px 4px 4px 4px rgb(58, 197,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2162, 43.0341, 35.7261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 197, 150) }
```

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

```
.background{ background-color: rgb(58, 197,  
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](#).

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