

Converting Colors

XYZ(27.3579, 46.3542, 30.8958)

Have a look what the booklet for
XYZ(27.3579, 46.3542, 30.8958)
contains.

XYZ(27.3519, 46.3515, 30.7977)	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(27.3519, 46.3515,
30.7977)**

Conversions

Conversions Part 1

Format	Color
Hex	27CE88
RGB	39, 206, 136
RGB Percent	15%, 81%, 53%
CMY	0.8470, 0.1921, 0.4667
CMYK	0.81, 0.00, 0.34, 0.19
HSL	155°, 68%, 48%
HSV	155°, 81%, 81%
XYZ	27.3519, 46.3515, 30.7977
YIQ	148.0870, -77.0620, -57.1740

Conversions

Conversions Part 2

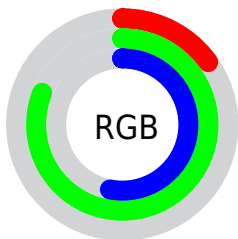
Format	Color
RYB	39, 145, 206
Decimal	2608776
CIELab	73.77, -56.85, 23.50
CIELCh	74, 61.511, 157.544
Yxy	46.3515, 0.2617, 0.4436
Android (android.graphics.Color)	4280798856 (0xFF27CE88)
YUV	148.0870, -5.9589, -95.6693
Hunter-Lab	68.0819, -47.4311, 20.8368

Details

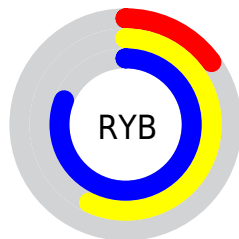
The XYZ color **27.3519, 46.3515, 30.7977** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark muted spring green. A complement of this color would be **28.9409, 15.6779, 15.9706**, and the grayscale version is **28.2330, 29.7033, 32.3469**.

A 20% lighter version of the original color is **51.8643, 78.7484, 61.1816**, and **12.5861, 22.4846, 12.4807** is the 20% darker color. If you saturate the color by 10%, you get **26.1840, 45.8187, 27.6682**, and if you desaturate by 10%, it is **28.9948, 47.1259, 34.2097**.

Distribution



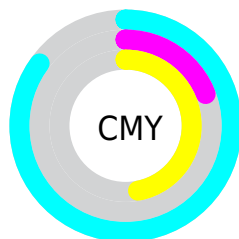
- Red (15%)
- Green (81%)
- Blue (53%)



- Red (15%)
- Yellow (57%)
- Blue (81%)



- Cyan (81%)
- Magenta (0%)
- Yellow (34%)
- Black (19%)





- Cyan (85%)
- Magenta (19%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.3519, 46.3515, 30.7977 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 27.3519, 46.3515, 30.7977 by changing the saturation by 10% instead.


 27.3519, 46.3515,
30.7977


 27.3519, 46.3515,
30.7977


281.4935,
372.2200, 319.9275


 17.9756, 32.5233,
20.1877


 54.8640, 84.7448,
61.9973


 11.0321, 21.7615,
12.3461


 73.7305, 110.0787,
83.4239


 6.1559, 13.6818,
6.8545


 96.4911, 140.0166,
109.2931

 2.9817, 7.8997,
3.2942

 123.5112,
174.9429, 140.0235

 1.1441, 4.0308,
1.2467

 155.1561,
215.2420, 176.0336

 0.0615, 1.6908,
0.0175

191.7913,

 0.0000, 0.4177,

261.2983, 217.7420

0.0000

233.7819,
313.4961, 265.5671

■ 0.0000, 0.0000,
0.0000

■ 27.3519, 46.3515,
30.7977

■ 27.3519, 46.3515,
30.7977

■ 26.1840, 45.8187,
27.6682

■ 28.9948, 47.1259,
34.2097

■ 25.4412, 45.4919,
25.0988

■ 31.1701, 48.1676,
37.9095

■ 33.9306, 49.5051,
41.9064

■ 37.3215, 51.1615,
46.2080

■ 41.3833, 53.1575,
50.8214

■ 46.1530, 55.5122,
55.7536

■ 51.6648, 58.2430,
61.0113

■ 57.9508, 61.3663,
66.6007

■ 65.0409, 64.8975,
72.5282

Harmonies

Analogous

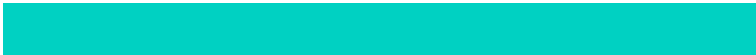
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.4532, 46.3515, 16.2146



27.3519, 46.3515, 30.7977



26.3376, 46.3515, 58.7877

Triad

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



27.3519, 46.3515, 30.7977



46.8720, 46.3515, 136.7045



62.9019, 46.3515, 21.9656

Complementary

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



27.3519, 46.3515, 30.7977



28.9409, 15.6779, 15.9706

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.



68.3382, 46.3515, 42.9744



27.3519, 46.3515, 30.7977



58.1386, 46.3515, 114.7889

Square

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



27.3519, 46.3515, 30.7977



36.5079, 46.3515, 129.0002



66.4645, 46.3515, 77.1179



52.5781, 46.3515, 12.7841

Rectangle

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



27.3519, 46.3515, 30.7977



27.9295, 46.3515, 83.7199



66.4645, 46.3515, 77.1179



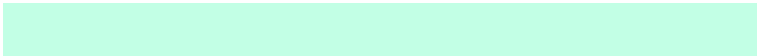
65.4331, 46.3515, 27.4446

Sweetspot

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



27.3531, 46.3533, 30.7988



72.1481, 88.6394, 87.6892



29.0408, 47.6944, 9.5952



14.8465, 18.6782, 18.1523



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.



27.3531, 46.3533, 30.7988



41.4675, 73.8141, 41.4755



31.4639, 43.8599, 65.2022



11.3367, 12.6444, 13.3303



15.7147, 28.0312, 15.7144



0.8481, 1.4610, 1.0074

Inverse Universe

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



28.9409, 15.6779, 15.9706



44.2106, 22.5811, 17.1635



26.9674, 15.5619, 3.5023



11.4041, 11.2904, 12.6628



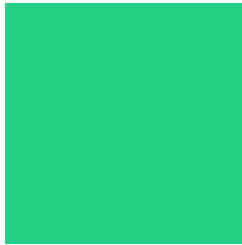
16.7626, 8.5156, 6.4685



0.9024, 0.4543, 0.5317

Previews

White Background



This preview shows how the XYZ color 27.3519, 46.3515, 30.7977 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 27.3519, 46.3515, 30.7977 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 27.3519, 46.3515, 30.7977

Background



This preview shows how black text looks on a background with the XYZ color 27.3519, 46.3515, 30.7977.

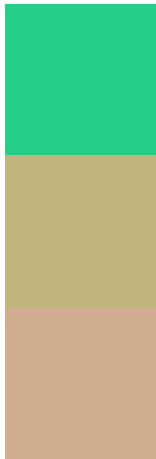


This preview shows how white text looks on a background with the XYZ color 27.3519, 46.3515,

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

27.3519, 46.3515, 30.7977

Protanopia

42.2711, 45.5925, 25.9743

Deuteranopia

46.2721, 45.4561, 32.7207



Tritanopia

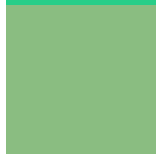
35.1582, 46.3914, 69.3888

Trichromacy



Original Color

27.3519, 46.3515, 30.7977



Protanomaly

32.6413, 43.3834, 27.4223



Deuteranomaly

34.1893, 42.8241, 31.6632



Tritanomaly

31.4860, 45.8931, 52.5462

Monochromacy



Original Color

27.3519, 46.3515, 30.7977



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

25.4064, 33.5777, 31.5276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3519, 46.3515, 30.7977 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(39, 206, 136)` looks like.

```
.text, #text, p{  
    color:rgb(39, 206, 136)  
}
```

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(39, 206, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 206, 136) }
```

Border

The CSS property to change the border of an element to XYZ 27.3519, 46.3515, 30.7977 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(39, 206, 136) }
```


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

```
.border{ border-color:rgb(39, 206, 136) }
```

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

Here you see how a box with a 4 pixel rgb(39, 206, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 206, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 206, 136);  
box-shadow:4px 4px 4px 4px rgb(39, 206,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3519, 46.3515, 30.7977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 206, 136) }
```

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

```
.background{ background-color: rgb(39, 206,  
136) }
```

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