

Converting Colors

XYZ(27.2961, 46.2479, 34.8229)

Have a look what the booklet for
XYZ(27.2961, 46.2479, 34.8229)
contains.

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Color

**XYZ(27.2596, 46.2179,
34.6784)**

Conversions

Conversions Part 1

Format	Color
Hex	00CE92
RGB	0, 206, 146
RGB Percent	0%, 81%, 57%
CMY	0.9999, 0.1921, 0.4274
CMYK	1.00, 0.00, 0.29, 0.19
HSL	163°, 100%, 40%
HSV	163°, 100%, 81%
XYZ	27.2596, 46.2179, 34.6784
YIQ	137.5660, -103.5160, -62.3320

Conversions

Conversions Part 2

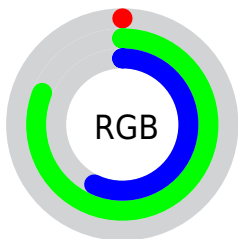
Format	Color
RYB	0, 121, 206
Decimal	52882
CIELab	73.69, -56.85, 18.05
CIELCh	74, 59.643, 162.385
Yxy	46.2179, 0.2520, 0.4273
Android (android.graphics.Color)	4278242962 (0xFF00CE92)
YUV	137.5660, 4.1580, -120.6454
Hunter-Lab	67.9837, -47.3980, 17.3449

Details

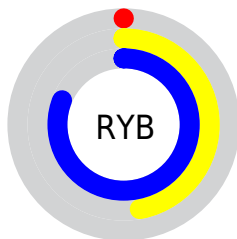
The XYZ color **27.2596, 46.2179, 34.6784** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **26.2710, 13.4492, 5.4894**, and the grayscale version is **24.0082, 25.2585, 27.5065**.

A 20% lighter version of the original color is **51.6648, 78.5149, 67.0755**, and **12.9719, 22.6389, 14.5125** is the 20% darker color. If you saturate the color by 10%, you get **27.2601, 46.2194, 34.6769**, and if you desaturate by 10%, it is **28.0411, 46.5666, 37.2173**.

Distribution



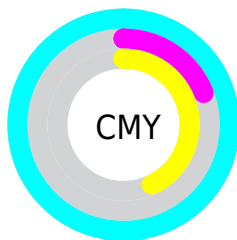
- Red (0%)
- Green (81%)
- Blue (57%)



- Red (0%)
- Yellow (47%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (19%)



- Cyan (100%)
- Magenta (19%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2596, 46.2179, 34.6784 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 27.2596, 46.2179, 34.6784 by changing the saturation by 10% instead.

■ 27.2596, 46.2179,
34.6784

■ 27.2596, 46.2179,
34.6784

281.0565,
371.6840, 338.0076

■ 17.9059, 32.4178,
23.1337

■ 54.7171, 84.5450,
68.1332

■ 10.9817, 21.6808,
14.4860

■ 73.5516, 109.8408,
90.8803

■ 6.1217, 13.6226,
8.3169

■ 96.2771, 139.7373,
118.1986

■ 2.9606, 7.8586,
4.2077

■ 123.2589,
174.6189, 150.5067

■ 1.1330, 4.0046,
1.7400

■ 154.8624,
214.8700, 188.2231

■ 0.0524, 1.6761,
0.3879

191.4529,

■ 0.0000, 0.4081,

260.8749, 231.7664

0.0000

233.3959,
313.0181, 281.5550

■ 0.0000, 0.0000,
0.0000

■ 27.2596, 46.2179,
34.6784

■ 27.2596, 46.2179,
34.6784

■ 27.2601, 46.2194,
34.6769

■ 28.0411, 46.5666,
37.2173

■ 29.1673, 47.0889,
39.9012

■ 30.7488, 47.8431,
42.7380

■ 32.8448, 48.8595,
45.7324

■ 35.5053, 50.1639,
48.8886

■ 38.7741, 51.7789,
52.2102

■ 42.6907, 53.7248,
55.7010

■ 47.2911, 56.0201,
59.3641

■ 52.6086, 58.6819,
63.2029

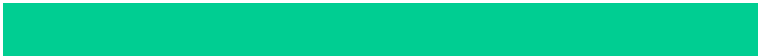
Harmonies

Analogous

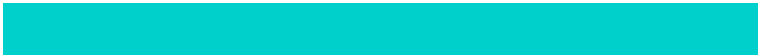
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.5985, 46.2179, 18.4023



27.2596, 46.2179, 34.6784



26.9117, 46.2179, 63.8743

Triad

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



27.2596, 46.2179, 34.6784



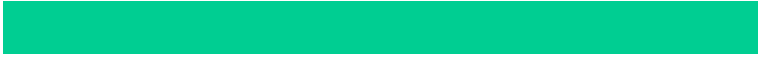
48.4355, 46.2179, 131.3170



60.7235, 46.2179, 20.3914

Complementary

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



27.2596, 46.2179, 34.6784



26.2710, 13.4492, 5.4894

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.



66.9311, 46.2179, 38.8389



27.2596, 46.2179, 34.6784



59.1100, 46.2179, 106.7522

Square

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



27.2596, 46.2179, 34.6784



38.0585, 46.2179, 128.7275



66.2973, 46.2179, 70.0823



50.3735, 46.2179, 12.7261

Rectangle

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



27.2596, 46.2179, 34.6784



28.8985, 46.2179, 88.3990



66.2973, 46.2179, 70.0823



63.4332, 46.2179, 25.1343

Sweetspot

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



27.2608, 46.2197, 34.6795



68.9025, 86.9112, 90.0223



24.0473, 45.1624, 7.4504



14.1437, 18.3020, 18.7455



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.



27.2608, 46.2197, 34.6795



44.0718, 74.8447, 55.6893



24.5616, 31.2972, 63.1410



11.3986, 12.6692, 13.6562



16.8293, 28.4770, 21.5839



0.9002, 1.4819, 1.2821

Inverse Universe

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



26.2710, 13.4492, 5.4894



42.4855, 21.7582, 8.4886



26.2551, 14.7233, 1.4587



11.3445, 11.2665, 12.3488



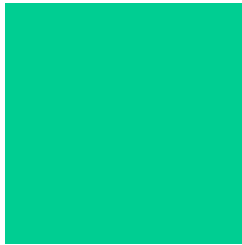
16.2129, 8.2957, 3.5736



0.8698, 0.4413, 0.3603

Previews

White Background



This preview shows how the XYZ color 27.2596, 46.2179, 34.6784 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 27.2596, 46.2179, 34.6784 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

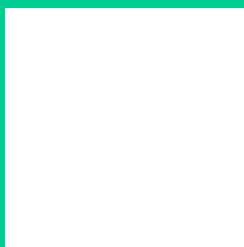
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.2596, 46.2179, 34.6784

Background



This preview shows how black text looks on a background with the XYZ color 27.2596, 46.2179, 34.6784.

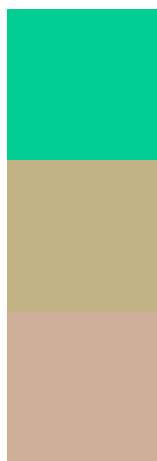


This preview shows how white text looks on a background with the XYZ color 27.2596, 46.2179,

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

27.2596, 46.2179, 34.6784

Protanopia

42.4155, 45.2989, 29.0623

Deuteranopia

46.1469, 45.3089, 36.4503



Tritanopia

34.4307, 46.0018, 70.0153

Trichromacy



Original Color

27.2596, 46.2179, 34.6784



Protanomaly

30.9534, 42.4411, 30.6053



Deuteranomaly

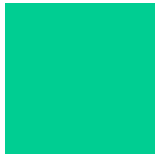
32.2141, 41.7252, 35.2101



Tritanomaly

30.8783, 45.5181, 55.3025

Monochromacy



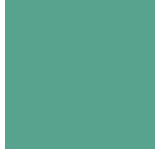
Original Color

27.2596, 46.2179, 34.6784



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

21.9294, 30.1922, 29.8712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2596, 46.2179, 34.6784 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(0, 206, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 206, 146)  
}
```

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(0, 206, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 206, 146) }
```

Border

The CSS property to change the border of an element to XYZ 27.2596, 46.2179, 34.6784 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(0, 206, 146) }
```


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

```
.border{ border-color:rgb(0, 206, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 206, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 206, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 206, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 206,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2596, 46.2179, 34.6784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 206, 146) }
```

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

```
.background{ background-color: rgb(0, 206,  
146) }
```

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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