

Converting Colors

XYZ(27.1755, 45.4188, 36.5955)

Have a look what the booklet for
XYZ(27.1755, 45.4188, 36.5955)
contains.

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Color

**XYZ(27.1788, 45.4201,
36.6126)**

Conversions

Conversions Part 1

Format	Color
Hex	00CC97
RGB	0, 204, 151
RGB Percent	0%, 80%, 59%
CMY	0.9999, 0.2000, 0.4078
CMYK	1.00, 0.00, 0.26, 0.20
HSL	164°, 100%, 40%
HSV	164°, 100%, 80%
XYZ	27.1788, 45.4201, 36.6126
YIQ	136.9620, -104.5710, -59.7310

Conversions

Conversions Part 2

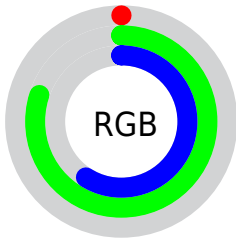
Format	Color
RYB	0, 117, 204
Decimal	52375
CIELab	73.17, -54.94, 14.66
CIELCh	73, 56.858, 165.057
Yxy	45.4201, 0.2489, 0.4159
Android (android.graphics.Color)	4278242455 (0xFF00CC97)
YUV	136.9620, 6.9207, -120.1157
Hunter-Lab	67.3944, -45.9549, 14.9663

Details

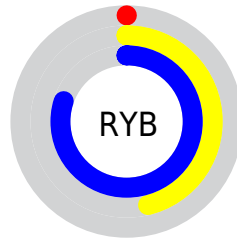
The XYZ color **27.1788, 45.4201, 36.6126** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **25.5463, 13.0957, 4.5528**, and the grayscale version is **23.7700, 25.0079, 27.2336**.

A 20% lighter version of the original color is **52.2589, 78.7526, 70.2040**, and **12.8902, 22.0999, 15.6429** is the 20% darker color. If you saturate the color by 10%, you get **27.1791, 45.4215, 36.6107**, and if you desaturate by 10%, it is **27.9173, 45.7511, 38.9464**.

Distribution



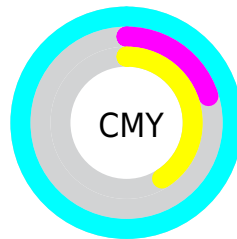
- Red (0%)
- Green (80%)
- Blue (59%)



- Red (0%)
- Yellow (46%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (20%)




- Cyan (100%)
- Magenta (20%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1788, 45.4201, 36.6126 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 27.1788, 45.4201, 36.6126 by changing the saturation by 10% instead.

 27.1788, 45.4201,
36.6126


 27.1788, 45.4201,
36.6126


280.6736,
368.4723, 346.7483


 17.8448, 31.7885,
24.6143


 54.5885, 83.3505,
71.1562


 10.9377, 21.2000,
15.5735


 73.3950, 108.4180,
94.5386


 6.0919, 13.2703,
9.0718


 96.0896, 138.0662,
122.5527

 2.9422, 7.6149,
4.6906

 123.0379,
172.6796, 155.6170

 1.1233, 3.8495,
2.0113

 154.6050,
212.6425, 194.1503

 0.0445, 1.5898,
0.5622

191.1565,

 0.0000, 0.3507,

258.3393, 238.5708

0.0000

233.0575,
310.1545, 289.2973

■ 0.0000, 0.0000,
0.0000

■ 27.1788, 45.4201,
36.6126

■ 27.1788, 45.4201,
36.6126

■ 27.1791, 45.4215,
36.6107

■ 27.9173, 45.7511,
38.9464

■ 28.9876, 46.2497,
41.3972

■ 30.4983, 46.9731,
43.9721

■ 32.5071, 47.9509,
46.6752

■ 35.0627, 49.2082,
49.5100

■ 38.2076, 50.7671,
52.4796

■ 41.9804, 52.6471,
55.5871

■ 46.4161, 54.8665,
58.8352

■ 51.5472, 57.4419,
62.2266

Harmonies

Analogous

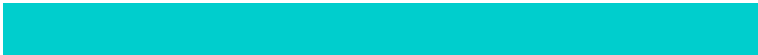
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.9796, 45.4201, 19.9386



27.1788, 45.4201, 36.6126



27.1861, 45.4201, 65.1230

Triad

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



27.1788, 45.4201, 36.6126



48.3415, 45.4201, 123.6185



58.1682, 45.4201, 19.8961

Complementary

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



27.1788, 45.4201, 36.6126



25.5463, 13.0957, 4.5528

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.



64.4409, 45.4201, 36.5257



27.1788, 45.4201, 36.6126



58.2013, 45.4201, 99.2238

Square

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



27.1788, 45.4201, 36.6126



38.4162, 45.4201, 123.6710



64.4539, 45.4201, 64.9954



48.3015, 45.4201, 13.1270

Rectangle

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



27.1788, 45.4201, 36.6126



29.3096, 45.4201, 88.1421



64.4539, 45.4201, 64.9954



60.8297, 45.4201, 24.1584

Sweetspot

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



27.1800, 45.4219, 36.6137



69.2481, 87.0495, 91.8423



23.1378, 43.9833, 7.2709



14.2267, 18.3352, 19.1824



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.



27.1800, 45.4219, 36.6137



44.9172, 75.1829, 60.1410



22.8570, 28.2743, 61.3816



11.4139, 12.6753, 13.7372



17.1460, 28.6037, 23.2519



0.9145, 1.4876, 1.3572

Inverse Universe

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



25.5463, 13.0957, 4.5528



42.2310, 21.6564, 7.1487



25.9444, 14.9209, 1.5134



11.3300, 11.2607, 12.2723



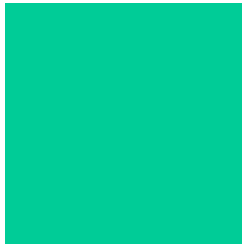
16.1108, 8.2549, 3.0363



0.8630, 0.4386, 0.3246

Previews

White Background



This preview shows how the XYZ color 27.1788, 45.4201, 36.6126 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 27.1788, 45.4201, 36.6126 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

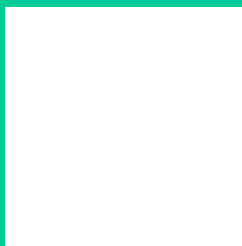
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.1788, 45.4201, 36.6126

Background



This preview shows how black text looks on a background with the XYZ color 27.1788, 45.4201, 36.6126.

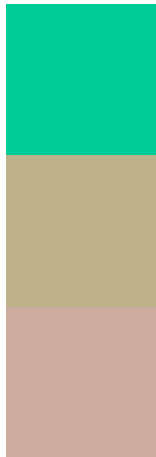


This preview shows how white text looks on a background with the XYZ color 27.1788, 45.4201,

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

27.1788, 45.4201, 36.6126

Protanopia

41.8158, 44.6520, 30.8409

Deuteranopia

45.5527, 44.6702, 38.5691



Tritanopia

33.8704, 45.3916, 69.2636

Trichromacy



Original Color

27.1788, 45.4201, 36.6126



Protanomaly

30.6134, 41.5888, 32.4005



Deuteranomaly

32.1101, 41.3147, 37.2925



Tritanomaly

30.6725, 45.0568, 55.7954

Monochromacy



Original Color

27.1788, 45.4201, 36.6126



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

21.5578, 29.4690, 30.1430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1788, 45.4201, 36.6126 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, 204, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 151)  
}
```

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, 204, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 151) }
```

Border

The CSS property to change the border of an element to XYZ 27.1788, 45.4201, 36.6126 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, 204, 151) }
```


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

```
.border{ border-color:rgb(0, 204, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1788, 45.4201, 36.6126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 151) }
```

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

```
.background{ background-color: rgb(0, 204,  
151) }
```

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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