

Converting Colors

XYZ(27.6479, 36.5189, 40.4277)

Have a look what the booklet for
XYZ(27.6479, 36.5189, 40.4277)
contains.

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Color

**XYZ(27.6157, 36.5198,
40.2439)**

Conversions

Conversions Part 1

Format	Color
Hex	66B0A3
RGB	102, 176, 163
RGB Percent	40%, 69%, 64%
CMY	0.6000, 0.3098, 0.3608
CMYK	0.42, 0.00, 0.07, 0.31
HSL	169°, 32%, 55%
HSV	169°, 42%, 69%
XYZ	27.6157, 36.5198, 40.2439
YIQ	152.3920, -39.9310, -19.7310

Conversions

Conversions Part 2

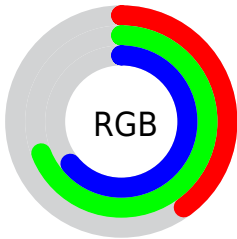
Format	Color
RYB	102, 143, 176
Decimal	6729891
CIELab	66.92, -26.23, -0.57
CIELCh	67, 26.236, 181.251
Yxy	36.5198, 0.2646, 0.3499
Android (android.graphics.Color)	4284919971 (0xFF66B0A3)
YUV	152.3920, 5.2297, -44.1938
Hunter-Lab	60.4316, -24.1854, 2.8185

Details

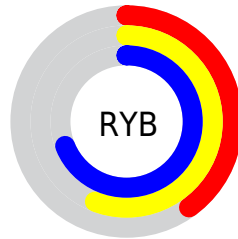
The XYZ color **27.6157, 36.5198, 40.2439** is a light color, and the websafe version is hex **339999**. A complement of this color would be **25.7516, 19.9717, 18.7187**, and the grayscale version is **30.0057, 31.5684, 34.3780**.

A 20% lighter version of the original color is **55.4161, 69.9433, 76.9093**, and **11.1245, 15.9180, 17.5251** is the 20% darker color. If you saturate the color by 10%, you get **25.5555, 35.4902, 38.7194**, and if you desaturate by 10%, it is **30.1083, 37.7733, 41.8256**.

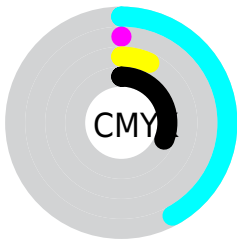
Distribution



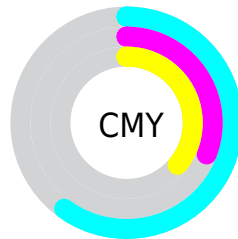
- Red (40%)
- Green (69%)
- Blue (64%)



- Red (40%)
- Yellow (56%)
- Blue (69%)



- Cyan (42%)
- Magenta (0%)
- Yellow (7%)
- Black (31%)



- Cyan (60%)
- Magenta (31%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6157, 36.5198, 40.2439 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 27.6157, 36.5198, 40.2439 by changing the saturation by 10% instead.

■ 27.6157, 36.5198,
40.2439

■ 27.6157, 36.5198,
40.2439

282.7395,
331.2268, 362.7331

■ 18.1751, 24.8359,
27.4135

■ 55.2832, 69.8336,
76.7759

■ 11.1763, 15.9548,
17.6489

■ 74.2409, 92.2323,
101.3146

■ 6.2537, 9.4922,
10.5314

■ 97.1017, 118.9714,
130.5932

■ 3.0421, 5.0636,
5.6425

■ 124.2310,
150.4354, 165.0302

■ 1.1760, 2.2846,
2.5637

155.9940,
187.0085, 205.0442

■ 0.0873, 0.7656,
0.8736

192.7562,

■ 0.0000, 0.0000,

229.0751, 251.0536

0.0000

234.8829,
277.0198, 303.4771

■ 27.6157, 36.5198,
40.2439

■ 27.6157, 36.5198,
40.2439

■ 25.5555, 35.4902,
38.7194

■ 30.1083, 37.7733,
41.8256

■ 23.8973, 34.6663,
37.2480

■ 33.0548, 39.2591,
43.4634

■ 22.6121, 34.0338,
35.8290


■ 36.4791, 40.9903,
45.1594


■ 21.6654, 33.5751,
34.4605


■ 40.4024, 42.9781,
46.9148


■ 21.0160, 33.2689,
33.1402


■ 44.8447, 45.2326,
48.7309

 20.6429, 33.0987,
32.1210

 49.8250, 47.7636,
50.6088

 55.3611, 50.5804,
52.5494

 61.4701, 53.6916,
54.5540

 66.1515, 56.0661,
56.5290

Harmonies

Analogous

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



28.4310, 36.5198, 30.1363



27.6157, 36.5198, 40.2439



28.5774, 36.5198, 52.2373

Triad

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



27.6157, 36.5198, 40.2439



38.8297, 36.5198, 61.5698



38.5190, 36.5198, 23.4925

Complementary

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



27.6157, 36.5198, 40.2439



25.7516, 19.9717, 18.7187

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.



41.6647, 36.5198, 29.4531



27.6157, 36.5198, 40.2439



41.8536, 36.5198, 51.2502

Square

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



27.6157, 36.5198, 40.2439



34.8782, 36.5198, 65.9127



42.9280, 36.5198, 39.2876



34.5443, 36.5198, 21.6467

Rectangle

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



27.6157, 36.5198, 40.2439



30.1429, 36.5198, 59.3983



42.9280, 36.5198, 39.2876



39.7188, 36.5198, 25.0170

Sweetspot

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



27.6167, 36.5213, 40.2447



65.3775, 73.9448, 81.5316



25.0697, 35.6949, 18.1396



13.8655, 15.8718, 17.5235



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.6167, 36.5213, 40.2447



46.7459, 64.5639, 70.5399



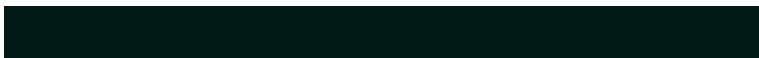
24.6375, 28.6015, 45.2981



8.6773, 9.6054, 10.5603



15.1648, 24.2919, 23.6682



0.4940, 0.7710, 0.8332

Inverse Universe

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



25.7516, 19.9717, 18.7187



42.9421, 30.6917, 26.5498



27.6926, 24.9678, 15.9308



8.5553, 8.5288, 9.1567



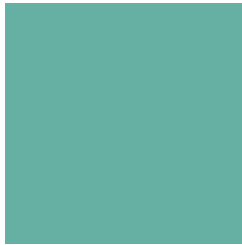
13.3333, 6.8509, 1.6494



0.4379, 0.2229, 0.1486

Previews

White Background



This preview shows how the XYZ color 27.6157, 36.5198, 40.2439 looks on a white background.

Color Contrast Check

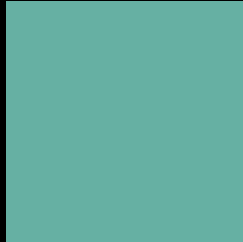
Large Text (above 18pt) WCAG AA × Fail

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 27.6157, 36.5198, 40.2439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

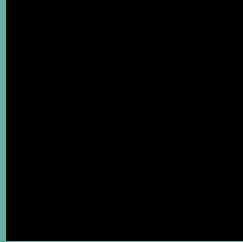
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.6157, 36.5198, 40.2439

Background



This preview shows how black text looks on a background with the XYZ color 27.6157, 36.5198, 40.2439.



This preview shows how white text looks on a background with the XYZ color 27.6157, 36.5198,

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

27.6157, 36.5198, 40.2439

Protanopia

34.5976, 36.0718, 36.1494

Deuteranopia

36.7112, 36.0179, 41.5765



Tritanopia

29.9908, 36.6205, 51.9421

Trichromacy



Original Color

27.6157, 36.5198, 40.2439

Protanomaly

31.1355, 35.5807, 37.5745

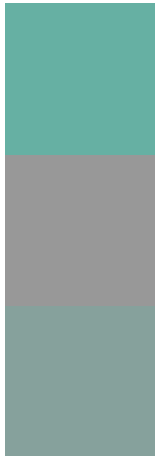
Deuteranomaly

32.3711, 35.6000, 41.2417

Tritanomaly

29.1158, 36.5506, 47.6399

Monochromacy



Original Color

27.6157, 36.5198, 40.2439

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

28.5771, 32.9584, 36.3079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6157, 36.5198, 40.2439 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(102, 176, 163)` looks like.

```
.text, #text, p{  
    color:rgb(102, 176, 163)  
}
```

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(102, 176, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 176, 163) }
```

Border

The CSS property to change the border of an element to XYZ 27.6157, 36.5198, 40.2439 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(102, 176, 163) }
```


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

```
.border{ border-color:rgb(102, 176, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 176, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 176, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 176, 163);  
box-shadow:4px 4px 4px 4px rgb(102, 176,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6157, 36.5198, 40.2439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 176, 163) }
```

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

```
.background{ background-color: rgb(102,  
176, 163) }
```

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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