

Converting Colors

XYZ(19.3384, 27.9658, 33.4881)

Have a look what the booklet for
XYZ(19.3384, 27.9658, 33.4881)
contains.

XYZ(19.3756, 28.0044, 33.6623)	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(19.3756, 28.0044,
33.6623)**

Conversions

Conversions Part 1

Format	Color
Hex	30A097
RGB	48, 160, 151
RGB Percent	19%, 63%, 59%
CMY	0.8117, 0.3725, 0.4078
CMYK	0.70, 0.00, 0.06, 0.37
HSL	175°, 54%, 41%
HSV	175°, 70%, 63%
XYZ	19.3756, 28.0044, 33.6623
YIQ	125.4860, -63.8630, -26.5430

Conversions

Conversions Part 2

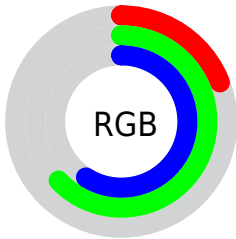
Format	Color
R_{YB}	48, 106, 160
Decimal	3186839
CIE _{Lab}	59.89, -32.86, -4.39
CIE _{LCh}	60, 33.148, 187.604
Yxy	28.0044, 0.2391, 0.3456
Android (android.graphics.Color)	4281376919 (0xFF30A097)
YUV	125.4860, 12.5784, -67.9552
Hunter-Lab	52.9192, -27.2534, -0.6714

Details

The XYZ color **19.3756, 28.0044, 33.6623** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.2936, 9.8836, 4.9207**, and the grayscale version is **19.6320, 20.6544, 22.4927**.

A 20% lighter version of the original color is **41.7503, 56.3237, 66.4287**, and **7.6628, 11.6452, 13.9005** is the 20% darker color. If you saturate the color by 10%, you get **18.6492, 27.6426, 33.0866**, and if you desaturate by 10%, it is **20.3770, 28.5091, 34.2580**.

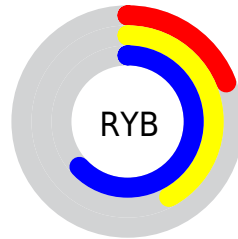
Distribution



Red (19%)

Green (63%)

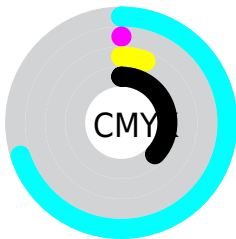
Blue (59%)



Red (19%)

Yellow (42%)

Blue (63%)

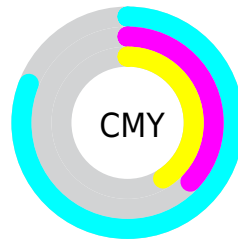


Cyan (70%)

Magenta (0%)

Yellow (6%)

Black (37%)



Cyan (81%)

Magenta (37%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3756, 28.0044, 33.6623 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 19.3756, 28.0044, 33.6623 by changing the saturation by 10% instead.

■ 19.3756, 28.0044,
33.6623

■ 19.3756, 28.0044,
33.6623

241.4130,
292.4879, 333.3467

■ 12.0476, 18.3290,
22.3590

■ 41.8798, 56.4915,
66.5361

■ 6.8485, 11.1864,
13.9201

■ 57.7867, 76.0719,
88.9436

■ 3.4130, 6.1924,
7.9270

■ 77.2840, 99.7228,
115.8897

■ 1.3758, 2.9624,
3.9612

■ 100.7370,
127.8285, 147.7928

■ 0.2389, 1.1121,
1.6041

■ 128.5110,
160.7735, 185.0716

■ 0.0000, 0.0000,
0.2937

160.9714,

■ 0.0000, 0.0000,

198.9422, 228.1444

0.0000

198.4837,
242.7188, 277.4299

■ 19.3756, 28.0044,
33.6623

■ 19.3756, 28.0044,
33.6623

■ 18.6492, 27.6426,
33.0866

■ 20.3770, 28.5091,
34.2580

■ 18.1644, 27.4045,
32.5276

■ 21.6772, 29.1672,
34.8731

■ 17.8490, 27.2537,
31.9824

■ 23.3003, 29.9915,
35.5092

■ 17.8490, 27.2537,
31.9823

■ 25.2671, 30.9929,
36.1675

■ 27.5969, 32.1813,
36.8487

■ 30.3074, 33.5658,
37.5538

■ 33.4152, 35.1550,
38.2835

■ 36.9358, 36.9569,
39.0387

■ 40.8841, 38.9791,
39.8200

Harmonies

Analogous

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



19.8152, 28.0044, 22.4875



19.3756, 28.0044, 33.6623



20.7077, 28.0044, 46.9308

Triad

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



19.3756, 28.0044, 33.6623



31.8663, 28.0044, 52.7823



29.8208, 28.0044, 13.6930

Complementary

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



19.3756, 28.0044, 33.6623



16.2936, 9.8836, 4.9207

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.



33.5562, 28.0044, 18.4249



19.3756, 28.0044, 33.6623



34.8213, 28.0044, 40.2009

Square

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



19.3756, 28.0044, 33.6623



27.7024, 28.0044, 59.7121



35.4702, 28.0044, 27.5273



25.5610, 28.0044, 12.8073

Rectangle

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



19.3756, 28.0044, 33.6623



22.5133, 28.0044, 54.5425



35.4702, 28.0044, 27.5273



31.1921, 28.0044, 14.8122

Sweetspot

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



19.3764, 28.0055, 33.6630



49.4699, 58.1050, 66.7275



14.8115, 26.2358, 7.0802



10.6023, 12.6171, 14.5641



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.3764, 28.0055, 33.6630



33.3153, 49.9203, 59.4993



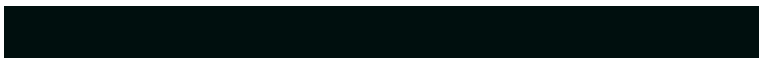
13.5073, 15.0522, 35.4524



6.7988, 7.5003, 8.3753



13.9111, 21.2324, 24.9526



0.2548, 0.3821, 0.4783

Inverse Universe

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



16.2936, 9.8836, 4.9207



27.4041, 14.8930, 4.1806



19.0939, 15.8125, 4.8425



6.6536, 6.6544, 7.0271



11.3563, 5.8471, 0.8614



0.2087, 0.1068, 0.0449

Previews

White Background



This preview shows how the XYZ color 19.3756, 28.0044, 33.6623 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3756, 28.0044, 33.6623 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 × Fail

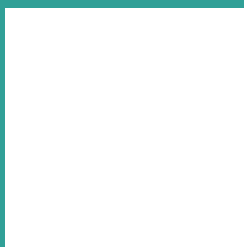
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.3756, 28.0044, 33.6623

Background



This preview shows how black text looks on a background with the XYZ color 19.3756, 28.0044, 33.6623.

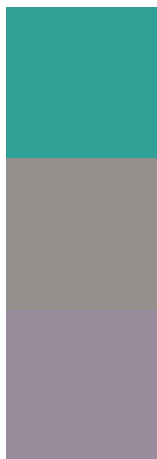


This preview shows how white text looks on a background with the XYZ color 19.3756, 28.0044,

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

19.3756, 28.0044, 33.6623

Protanopia

26.4842, 27.6790, 29.1460

Deuteranopia

28.1823, 27.5409, 35.2831



Tritanopia

21.0576, 27.9158, 42.3086

Trichromacy



Original Color

19.3756, 28.0044, 33.6623

Protanomaly

22.2887, 26.8542, 30.7967

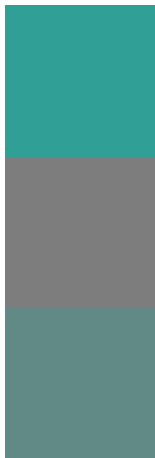
Deuteranomaly

23.2059, 26.7779, 34.5174

Tritanomaly

20.3590, 27.8823, 38.9591

Monochromacy



Original Color

19.3756, 28.0044, 33.6623

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.3213, 22.4396, 25.9199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3756, 28.0044, 33.6623 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(48, 160, 151)` looks like.

```
.text, #text, p{  
    color:rgb(48, 160, 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(48, 160, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 160, 151) }
```

Border

The CSS property to change the border of an element to XYZ 19.3756, 28.0044, 33.6623 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(48, 160, 151) }
```


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

```
.border{ border-color:rgb(48, 160, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 160, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 160, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 160, 151);  
box-shadow:4px 4px 4px 4px rgb(48, 160,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3756, 28.0044, 33.6623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 160, 151) }
```

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

```
.background{ background-color: rgb(48, 160,  
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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