

Converting Colors

XYZ(19.5395, 31.8484, 28.8040)

Have a look what the booklet for
XYZ(19.5395, 31.8484, 28.8040)
contains.

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Color

**XYZ(19.4589, 31.6933,
28.7587)**

Conversions

Conversions Part 1

Format	Color
Hex	00AD89
RGB	0, 173, 137
RGB Percent	0%, 68%, 54%
CMY	0.9999, 0.3216, 0.4627
CMYK	1.00, 0.00, 0.21, 0.32
HSL	168°, 100%, 34%
HSV	168°, 100%, 68%
XYZ	19.4589, 31.6933, 28.7587
YIQ	117.1690, -91.5520, -47.8720

Conversions

Conversions Part 2

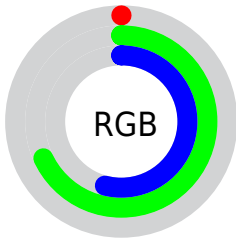
Format	Color
RYB	0, 97, 173
Decimal	44425
CIELab	63.09, -46.21, 8.04
CIELCh	63, 46.904, 170.132
Yxy	31.6933, 0.2435, 0.3966
Android (android.graphics.Color)	4278234505 (0xFF00AD89)
YUV	117.1690, 9.7767, -102.7572
Hunter-Lab	56.2968, -36.8212, 9.1200

Details

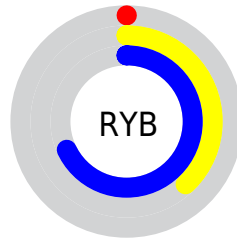
The XYZ color **19.4589, 31.6933, 28.7587** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.5531, 9.0124, 2.4849**, and the grayscale version is **16.9537, 17.8367, 19.4241**.

A 20% lighter version of the original color is **41.9297, 62.1360, 58.4987**, and **8.3171, 13.8818, 11.2579** is the 20% darker color. If you saturate the color by 10%, you get **19.4593, 31.6943, 28.7582**, and if you desaturate by 10%, it is **19.9591, 31.9216, 30.1538**.

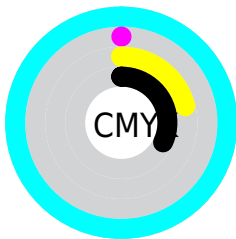
Distribution



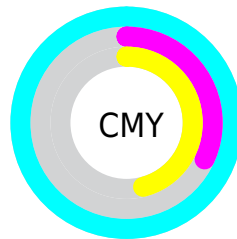
- Red (0%)
- Green (68%)
- Blue (54%)



- Red (0%)
- Yellow (38%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (32%)



- Cyan (100%)
- Magenta (32%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4589, 31.6933, 28.7587 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 19.4589, 31.6933, 28.7587 by changing the saturation by 10% instead.

■ 19.4589, 31.6933,
28.7587

■ 19.4589, 31.6933,
28.7587

■ 241.8603,
309.7198, 310.1000

■ 12.1083, 21.1273,
18.6544

■ 42.0190, 62.3300,
58.7311

■ 6.8902, 13.2171,
11.2465

■ 57.9592, 83.1695,
79.4362

■ 3.4392, 7.5782,
6.1166

■ 77.4934, 108.2023,
104.5120

■ 1.3901, 3.8263,
2.8462

■ 100.9868,
137.8128, 134.3770

■ 0.2491, 1.5769,
1.0166

■ 128.8049,
172.3854, 169.4498

■ 0.0000, 0.3419,
0.0000

■ 161.3129,

■ 0.0000, 0.0000,

212.3045, 210.1488

0.0000

198.8763,
257.9545, 256.8927

■ 19.4589, 31.6933,
28.7587

■ 19.4589, 31.6933,
28.7587

■ 19.4593, 31.6943,
28.7582

■ 19.9591, 31.9216,
30.1538

■ 20.6738, 32.2587,
31.6036

■ 21.6857, 32.7480,
33.1132

■ 23.0325, 33.4089,
34.6848

■ 24.7464, 34.2580,
36.3202

■ 26.8556, 35.3099,
38.0212

■ 29.3856, 36.5776,
39.7893

■ 32.3598, 38.0733,
41.6261

■ 35.7996, 39.8079,
43.5330

Harmonies

Analogous

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



21.5524, 31.6933, 16.3451



19.4589, 31.6933, 28.7587



19.8923, 31.6933, 48.2738

Triad

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



19.4589, 31.6933, 28.7587



34.6091, 31.6933, 79.9036



38.8176, 31.6933, 13.7576

Complementary

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



19.4589, 31.6933, 28.7587



17.5531, 9.0124, 2.4849

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.



43.3710, 31.6933, 23.6457



19.4589, 31.6933, 28.7587



40.7104, 31.6933, 62.7385

Square

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



19.4589, 31.6933, 28.7587



28.0425, 31.6933, 82.8246



44.1093, 31.6933, 40.9780



32.3050, 31.6933, 9.9714

Rectangle

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



19.4589, 31.6933, 28.7587



21.5819, 31.6933, 62.9265



44.1093, 31.6933, 40.9780



40.6652, 31.6933, 16.2685

Sweetspot

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



19.4598, 31.6945, 28.7594



52.3650, 65.3753, 71.0863



15.7251, 30.2908, 5.0184



10.9627, 13.9982, 15.1660



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.4598, 31.6945, 28.7594



34.7689, 56.7288, 51.0782



14.7497, 17.4301, 42.1236



8.1638, 9.0431, 9.8878



14.3164, 23.2918, 21.2377



0.4160, 0.6551, 0.6843

Inverse Universe

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



17.5531, 9.0124, 2.4849



31.3717, 16.1141, 4.1147



18.3338, 11.0836, 1.1735



8.0709, 8.0416, 8.6842



12.9121, 6.6274, 1.9166



0.3784, 0.1920, 0.1543

Previews

White Background



This preview shows how the XYZ color 19.4589, 31.6933, 28.7587 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 19.4589, 31.6933, 28.7587 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 19.4589, 31.6933, 28.7587

Background



This preview shows how black text looks on a background with the XYZ color 19.4589, 31.6933, 28.7587.

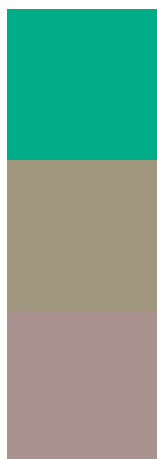


This preview shows how white text looks on a background with the XYZ color 19.4589, 31.6933,

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

19.4589, 31.6933, 28.7587

Protanopia

29.3297, 31.1132, 24.1983

Deuteranopia

31.8144, 31.0870, 30.3102



Tritanopia

23.6274, 31.7305, 48.5954

Trichromacy



Original Color

19.4589, 31.6933, 28.7587



Protanomaly

21.9069, 29.2328, 25.6070



Deuteranomaly

22.8805, 28.8882, 29.5693



Tritanomaly

21.6392, 31.4326, 40.5239

Monochromacy



Original Color

19.4589, 31.6933, 28.7587



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

15.4078, 20.8024, 22.2720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4589, 31.6933, 28.7587 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, 173, 137)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 137)  
}
```

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, 173, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 137) }
```

Border

The CSS property to change the border of an element to XYZ 19.4589, 31.6933, 28.7587 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, 173, 137) }
```


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

```
.border{ border-color:rgb(0, 173, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 173, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4589, 31.6933, 28.7587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 137) }
```

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

```
.background{ background-color: rgb(0, 173,  
137) }
```

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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