

Converting Colors

XYZ(19.7697, 27.4708, 43.7956)

Have a look what the booklet for
XYZ(19.7697, 27.4708, 43.7956)
contains.

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Color

**XYZ(19.7697, 27.4708,
43.7956)**

Conversions

Conversions Part 1

Format	Color
Hex	009EAD
RGB	0, 158, 173
RGB Percent	0%, 62%, 68%
CMY	0.9999, 0.3804, 0.3216
CMYK	1.00, 0.09, 0.00, 0.32
HSL	185°, 100%, 34%
HSV	185°, 100%, 68%
XYZ	19.7697, 27.4708, 43.7956
YIQ	112.4680, -98.9830, -28.8310

Conversions

Conversions Part 2

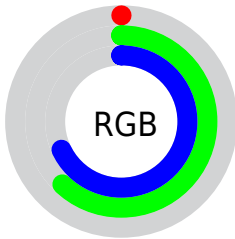
Format	Color
R_{YB}	0, 83, 173
Decimal	40621
CIE _{Lab}	59.41, -28.78, -17.62
CIE _{LCh}	59, 33.749, 211.475
Yxy	27.4708, 0.2172, 0.3018
Android (android.graphics.Color)	4278230701 (0xFF009EAD)
YUV	112.4680, 29.8423, -98.6344
Hunter-Lab	52.4126, -24.3930, -12.8535

Details

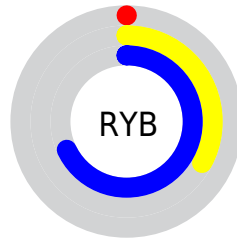
The XYZ color **19.7697, 27.4708, 43.7956** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.4053, 9.2271, 0.8647**, and the grayscale version is **15.4779, 16.2839, 17.7332**.

A 20% lighter version of the original color is **42.5172, 55.6228, 81.8942**, and **8.6052, 11.6885, 19.8917** is the 20% darker color. If you saturate the color by 10%, you get **19.7696, 27.4705, 43.7961**, and if you desaturate by 10%, it is **20.2648, 28.1088, 43.8932**.

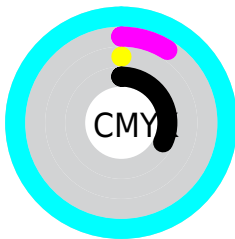
Distribution



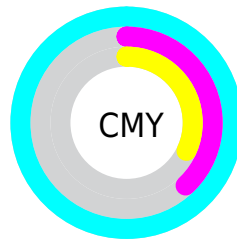
- Red (0%)
- Green (62%)
- Blue (68%)



- Red (0%)
- Yellow (33%)
- Blue (68%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (32%)



- Cyan (100%)
- Magenta (38%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7697, 27.4708, 43.7956 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 19.7697, 27.4708, 43.7956 by changing the saturation by 10% instead.

■ 19.7697, 27.4708,
43.7956

■ 19.7697, 27.4708,
43.7956

243.5230,
289.9295, 377.8904

■ 12.3350, 17.9271,
30.1738

■ 42.5376, 55.6384,
82.2093

■ 7.0461, 10.8977,
19.7174

■ 58.6016, 75.0312,
107.8383

■ 3.5375, 5.9981,
12.0078

■ 78.2727, 98.4757,
138.3068

■ 1.4440, 2.8439,
6.6264

■ 101.9164,
126.3565, 174.0333

■ 0.2872, 1.0508,
3.1547

■ 129.8978,
159.0579, 215.4364

■ 0.0000, 0.0000,
1.1741

■ 162.5825,

■ 0.0000, 0.0000,

196.9642, 262.9345

0.0000

200.3358,
240.4600, 316.9464

■ 19.7697, 27.4708,
43.7956

■ 19.7697, 27.4708,
43.7956

■ 19.7696, 27.4705,
43.7961

■ 20.2648, 28.1088,
43.8932

■ 20.9691, 28.8587,
44.0008

■ 21.9649, 29.7636,
44.1230

■ 23.2899, 30.8430,
44.2615

■ 24.9763, 32.1133,
44.4178

■ 27.0522, 33.5891,
44.5932

■ 29.5430, 35.2835,
44.7890

■ 32.4720, 37.2086,
45.0062

■ 35.8606, 39.3754,
45.2459

Harmonies

Analogous

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



18.7944, 27.4708, 30.5145



19.7697, 27.4708, 43.7956



22.4156, 27.4708, 55.3988

Triad

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



19.7697, 27.4708, 43.7956



33.9278, 27.4708, 42.4704



25.9014, 27.4708, 12.1455

Complementary

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



19.7697, 27.4708, 43.7956



17.4053, 9.2271, 0.8647

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.



30.1900, 27.4708, 13.7583



19.7697, 27.4708, 43.7956



35.1139, 27.4708, 29.3156

Square

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



19.7697, 27.4708, 43.7956



30.5911, 27.4708, 54.4997



33.6792, 27.4708, 19.3231



22.0897, 27.4708, 14.1186

Rectangle

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



19.7697, 27.4708, 43.7956



24.9229, 27.4708, 59.3662



33.6792, 27.4708, 19.3231



27.3346, 27.4708, 12.2829

Sweetspot

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



19.7706, 27.4718, 43.7963



52.6466, 63.0146, 80.1940



15.0266, 29.9207, 5.4149



11.0304, 13.4175, 17.3962



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.



19.7706, 27.4718, 43.7963



35.3260, 49.0378, 78.4091



9.8675, 7.6657, 40.4953



8.1761, 8.9515, 10.2496



14.5444, 20.2228, 32.1813



0.4216, 0.5965, 0.9009

Inverse Universe

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



23.4059, 11.3538, 33.3065



41.8769, 20.3162, 59.4343



21.8811, 18.1786, 2.3566



8.3067, 8.1359, 9.9257



17.2050, 8.3445, 24.5228



0.4872, 0.2356, 0.7273

Previews

White Background



This preview shows how the XYZ color 19.7697, 27.4708, 43.7956 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 19.7697, 27.4708, 43.7956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

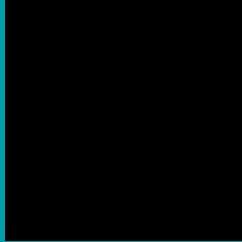
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.7697, 27.4708, 43.7956

Background



This preview shows how black text looks on a background with the XYZ color 19.7697, 27.4708, 43.7956.



This preview shows how white text looks on a background with the XYZ color 19.7697, 27.4708,

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

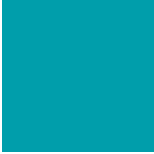
19.7697, 27.4708, 43.7956

Protanopia

26.6939, 27.1474, 38.0155

Deuteranopia

27.6497, 27.0428, 45.3575



Tritanopia

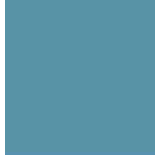
19.5775, 27.3940, 42.7838

Trichromacy



Original Color

19.7697, 27.4708, 43.7956



Protanomaly

21.3412, 25.6953, 39.9113



Deuteranomaly

22.1399, 25.7671, 44.8809



Tritanomaly

19.6733, 27.4323, 43.2878

Monochromacy



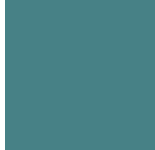
Original Color

19.7697, 27.4708, 43.7956



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

14.7519, 18.7613, 25.3981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7697, 27.4708, 43.7956 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, 158, 173)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 173)  
}
```

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, 158, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 173) }
```

Border

The CSS property to change the border of an element to XYZ 19.7697, 27.4708, 43.7956 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, 158, 173) }
```


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

```
.border{ border-color:rgb(0, 158, 173) }
```

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

Here you see how a box with a 4 pixel rgb(0, 158, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 173);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7697, 27.4708, 43.7956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 173) }
```

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

```
.background{ background-color: rgb(0, 158,  
173) }
```

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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