

Converting Colors

XYZ(10.0786, 22.6236, 43.5522)

Have a look what the booklet for
XYZ(10.0786, 22.6236, 43.5522)
contains.

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Color

**XYZ(19.9410, 27.8134,
43.8527)**

Conversions

Conversions Part 1

Format	Color
Hex	009FAD
RGB	0, 159, 173
RGB Percent	0%, 62%, 68%
CMY	0.9999, 0.3765, 0.3216
CMYK	1.00, 0.08, 0.00, 0.32
HSL	185°, 100%, 34%
HSV	185°, 100%, 68%
XYZ	19.9410, 27.8134, 43.8527
YIQ	113.0550, -99.2580, -29.3540

Conversions

Conversions Part 2

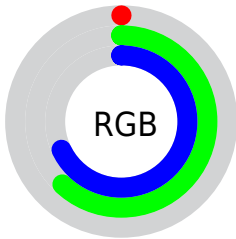
Format	Color
RYB	0, 83, 173
Decimal	40877
CIELab	59.72, -29.28, -17.15
CIELCh	60, 33.928, 210.358
Yxy	27.8134, 0.2177, 0.3036
Android (android.graphics.Color)	4278230957 (0xFF009FAD)
YUV	113.0550, 29.5529, -99.1492
Hunter-Lab	52.7384, -24.7993, -12.3835

Details

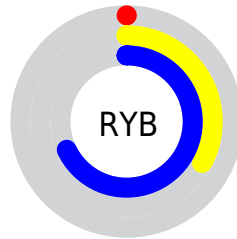
The XYZ color **19.9410, 27.8134, 43.8527** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.3915, 9.1995, 0.8601**, and the grayscale version is **15.6520, 16.4671, 17.9327**.

A 20% lighter version of the original color is **42.7695, 56.1275, 81.9783**, and **8.7089, 11.8959, 19.9263** is the 20% darker color. If you saturate the color by 10%, you get **19.9409, 27.8132, 43.8532**, and if you desaturate by 10%, it is **20.4208, 28.4208, 43.9452**.

Distribution



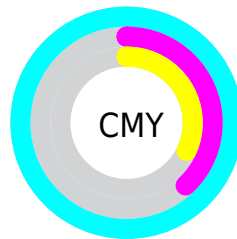
- Red (0%)
- Green (62%)
- Blue (68%)



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



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (32%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9410, 27.8134, 43.8527 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 19.9410, 27.8134, 43.8527 by changing the saturation by 10% instead.

■ 19.9410, 27.8134,
43.8527

■ 19.9410, 27.8134,
43.8527

■ 244.4352,
291.5742, 378.1306

■ 12.4602, 18.1850,
30.2184

■ 42.8229, 56.1864,
82.2962

■ 7.1323, 11.0829,
19.7509

■ 58.9548, 75.6998,
107.9424

■ 3.5921, 6.1226,
12.0319

■ 78.7010, 99.2770,
138.4296

■ 1.4740, 2.9198,
6.6426

■ 102.4269,
127.3025, 174.1765

■ 0.3081, 1.0900,
3.1646

■ 130.4980,
160.1605, 215.6015

■ 0.0000, 0.0000,
1.1793

■ 163.2795,

■ 0.0000, 0.0000,

198.2356, 263.1231

0.0000

201.1367,
241.9120, 317.1600

■ 19.9410, 27.8134,
43.8527

■ 19.9410, 27.8134,
43.8527

■ 19.9409, 27.8132,
43.8532

■ 20.4208, 28.4208,
43.9452

■ 21.1093, 29.1393,
44.0476

■ 22.0890, 30.0120,
44.1644

■ 23.3976, 31.0583,
44.2974

■ 25.0670, 32.2947,
44.4480

■ 27.1256, 33.7359,
44.6177

■ 29.5987, 35.3948,
44.8076

■ 32.5095, 37.2836,
45.0187

■ 35.8796, 39.4133,
45.2522

Harmonies

Analogous

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



19.0190, 27.8134, 30.4316



19.9410, 27.8134, 43.8527



22.5644, 27.8134, 55.7889

Triad

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



19.9410, 27.8134, 43.8527



34.2679, 27.8134, 43.5269



26.3844, 27.8134, 12.2780

Complementary

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



19.9410, 27.8134, 43.8527



17.3915, 9.1995, 0.8601

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.



30.7265, 27.8134, 14.0493



19.9410, 27.8134, 43.8527



35.5665, 27.8134, 30.1370

Square

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



19.9410, 27.8134, 43.8527



30.8251, 27.8134, 55.5678



34.2068, 27.8134, 19.8500



22.4843, 27.8134, 14.1378

Rectangle

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



19.9410, 27.8134, 43.8527



25.0788, 27.8134, 60.0344



34.2068, 27.8134, 19.8500



27.8409, 27.8134, 12.4614

Sweetspot

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



19.9419, 27.8144, 43.8534



52.7480, 63.2174, 80.2278



15.0080, 29.9133, 5.3169



11.0552, 13.4672, 17.4044



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.



19.9419, 27.8144, 43.8534



35.6376, 49.6609, 78.5130



10.0586, 8.0479, 40.5590



8.1801, 8.9595, 10.2509



14.6691, 20.4720, 32.2229



0.4240, 0.6014, 0.9017

Inverse Universe

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



23.4924, 11.3884, 33.7619



42.0341, 20.3791, 60.2624



21.6063, 17.6291, 2.2650



8.3087, 8.1367, 9.9364



17.2679, 8.3697, 24.8540



0.4884, 0.2361, 0.7338

Previews

White Background



This preview shows how the XYZ color 19.9410, 27.8134, 43.8527 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 19.9410, 27.8134, 43.8527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

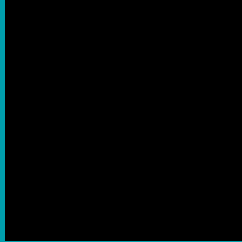
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.9410, 27.8134, 43.8527

Background



This preview shows how black text looks on a background with the XYZ color 19.9410, 27.8134, 43.8527.

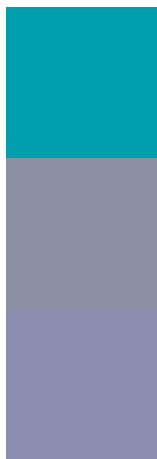


This preview shows how white text looks on a background with the XYZ color 19.9410, 27.8134,

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

19.9410, 27.8134, 43.8527

Protanopia

27.0098, 27.5301, 38.0727

Deuteranopia

28.1291, 27.5059, 45.4216



Tritanopia

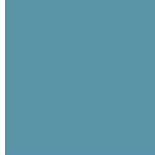
19.8445, 27.7748, 43.3449

Trichromacy



Original Color

19.9410, 27.8134, 43.8527



Protanomaly

21.5927, 26.0568, 39.9678



Deuteranomaly

22.3900, 26.1259, 44.9370



Tritanomaly

19.8445, 27.7748, 43.3449

Monochromacy



Original Color

19.9410, 27.8134, 43.8527



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

15.0283, 19.0923, 25.8148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9410, 27.8134, 43.8527 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, 159, 173)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 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, 159, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 173) }
```

Border

The CSS property to change the border of an element to XYZ 19.9410, 27.8134, 43.8527 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, 159, 173) }
```


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

```
.border{ border-color:rgb(0, 159, 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, 159, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 173);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9410, 27.8134, 43.8527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 173) }
```

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

```
.background{ background-color: rgb(0, 159,  
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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