

Converting Colors

XYZ(6.0879, 15.8444, 21.9166)

Have a look what the booklet for
XYZ(6.0879, 15.8444, 21.9166)
contains.

XYZ(12.4422, 19.0636, 22.0926)	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(12.4422, 19.0636,
22.0926)**

Conversions

Conversions Part 1

Format	Color
Hex	00887C
RGB	0, 136, 124
RGB Percent	0%, 53%, 49%
CMY	1.0000, 0.4667, 0.5137
CMYK	1.00, 0.00, 0.09, 0.47
HSL	175°, 100%, 27%
HSV	175°, 100%, 53%
XYZ	12.4422, 19.0636, 22.0926
YIQ	93.9680, -77.2040, -32.5640

Conversions

Conversions Part 2

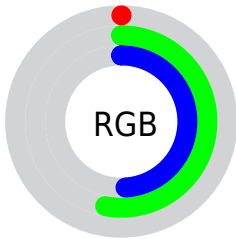
Format	Color
RYB	0, 71, 136
Decimal	34940
CIELab	50.76, -33.89, -2.42
CIELCh	51, 33.975, 184.081
Yxy	19.0636, 0.2321, 0.3557
Android (android.graphics.Color)	4278225020 (0xFF00887C)
YUV	93.9680, 14.8058, -82.4099
Hunter-Lab	43.6619, -25.5417, 0.5630

Details

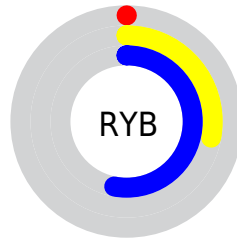
The XYZ color **12.4422, 19.0636, 22.0926** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.2203, 5.2612, 0.8250**, and the grayscale version is **10.6118, 11.1644, 12.1581**.

A 20% lighter version of the original color is **29.9061, 41.8463, 47.5752**, and **4.5185, 7.0050, 7.7706** is the 20% darker color. If you saturate the color by 10%, you get **12.4426, 19.0642, 22.0928**, and if you desaturate by 10%, it is **12.6941, 19.1851, 22.5035**.

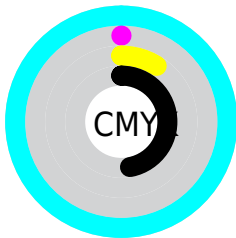
Distribution



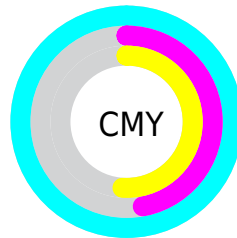
- Red (0%)
- Green (53%)
- Blue (49%)



- Red (0%)
- Yellow (28%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (47%)



- Cyan (100%)
- Magenta (47%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4422, 19.0636, 22.0926 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 12.4422, 19.0636, 22.0926 by changing the saturation by 10% instead.

■ 12.4422, 19.0636,
22.0926

■ 12.4422, 19.0636,
22.0926

■ 201.0219,
246.7996, 275.9987

■ 7.1199, 11.7162,
13.7260

■ 29.9079, 41.8415,
47.8031

■ 3.5842, 6.5508,
7.7938

■ 42.7820, 58.0409,
65.9842

■ 1.4697, 3.1828,
3.8774

■ 58.9041, 77.9597,
88.2737

■ 0.3051, 1.2279,
1.5583

■ 78.6395, 101.9824,
115.0904

■ 0.0000, 0.0843,
0.2608

■ 102.3537,
130.4934, 146.8527

■ 0.0000, 0.0000,
0.0000

■ 130.4119,

163.8770, 183.9791

163.1795,
202.5176, 226.8883

■ 12.4422, 19.0636,
22.0926

■ 12.4422, 19.0636,
22.0926

■ 12.4426, 19.0642,
22.0928

■ 12.6941, 19.1851,
22.5035

■ 13.0539, 19.3616,
22.9239

■ 13.5815, 19.6246,
23.3569

■ 14.2972, 19.9844,
23.8037

■ 15.2185, 20.4501,
24.2650

■ 16.3608, 21.0296,
24.7415

■ 17.7381, 21.7302,
25.2339

■ 19.3633, 22.5584,
25.7429

■ 21.2481, 23.5204,
26.2690

Harmonies

Analogous

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



12.9385, 19.0636, 13.7150



12.4422, 19.0636, 22.0926



13.3067, 19.0636, 32.8537

Triad

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



12.4422, 19.0636, 22.0926



21.9588, 19.0636, 40.0049



21.0719, 19.0636, 8.2261

Complementary

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



12.4422, 19.0636, 22.0926



10.2203, 5.2612, 0.8250

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.



23.9716, 19.0636, 12.0672



12.4422, 19.0636, 22.0926



24.5262, 19.0636, 29.8720

Square

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



12.4422, 19.0636, 22.0926



18.5799, 19.0636, 45.0175



25.3043, 19.0636, 19.4764



17.6665, 19.0636, 7.2916

Rectangle

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



12.4422, 19.0636, 22.0926



14.6092, 19.0636, 39.4833



25.3043, 19.0636, 19.4764



22.1511, 19.0636, 9.1467

Sweetspot

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



12.4428, 19.0643, 22.0931



31.0861, 38.2056, 44.4100



8.9796, 17.6993, 2.9433



6.9839, 8.7384, 10.2105



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.4428, 19.0643, 22.0931



21.8977, 33.5839, 38.7799



7.4318, 7.7529, 24.3982



5.1541, 5.6811, 6.3326



11.7778, 18.0437, 20.9184



0.0808, 0.1209, 0.1526

Inverse Universe

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



10.2203, 5.2612, 0.8250



17.9832, 9.2603, 1.3115



11.4919, 7.9108, 0.9215



5.0496, 5.0553, 5.3499



9.6744, 4.9799, 0.7897



0.0663, 0.0339, 0.0160

Previews

White Background



This preview shows how the XYZ color 12.4422, 19.0636, 22.0926 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 12.4422, 19.0636, 22.0926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

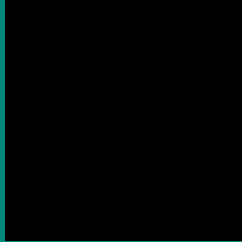
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.4422, 19.0636, 22.0926

Background



This preview shows how black text looks on a background with the XYZ color 12.4422, 19.0636, 22.0926.

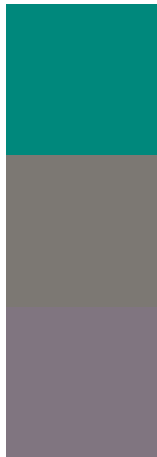


This preview shows how white text looks on a background with the XYZ color 12.4422, 19.0636,

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

12.4422, 19.0636, 22.0926

Protanopia

18.1232, 18.9558, 18.9233

Deuteranopia

19.1597, 18.8703, 23.0546



Tritanopia

14.0813, 19.1288, 29.3356

Trichromacy



Original Color

12.4422, 19.0636, 22.0926

Protanomaly

13.9553, 17.8920, 19.8575

Deuteranomaly

14.4318, 17.6969, 22.7339

Tritanomaly

13.3713, 19.0269, 26.6347

Monochromacy



Original Color

12.4422, 19.0636, 22.0926

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

9.8819, 12.9179, 15.3372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4422, 19.0636, 22.0926 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, 136, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 124)  
}
```

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, 136, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 124) }
```

Border

The CSS property to change the border of an element to XYZ 12.4422, 19.0636, 22.0926 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, 136, 124) }
```


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

```
.border{ border-color:rgb(0, 136, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 136, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4422, 19.0636, 22.0926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 124) }
```

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

```
.background{ background-color: rgb(0, 136,  
124) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor