

Converting Colors

XYZ(5.6372, 15.5740, 22.1240)

Have a look what the booklet for
XYZ(5.6372, 15.5740, 22.1240)
contains.

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Color

**XYZ(12.5058, 19.0890,
22.4275)**

Conversions

Conversions Part 1

Format	Color
Hex	00887D
RGB	0, 136, 125
RGB Percent	0%, 53%, 49%
CMY	1.0000, 0.4667, 0.5098
CMYK	1.00, 0.00, 0.08, 0.47
HSL	175°, 100%, 27%
HSV	175°, 100%, 53%
XYZ	12.5058, 19.0890, 22.4275
YIQ	94.0820, -77.5250, -32.2530

Conversions

Conversions Part 2

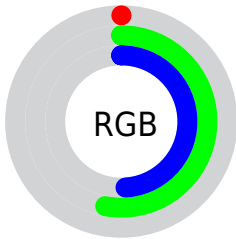
Format	Color
RYB	0, 71, 136
Decimal	34941
CIELab	50.79, -33.58, -2.96
CIElCh	51, 33.714, 185.032
Yxy	19.0890, 0.2315, 0.3534
Android (android.graphics.Color)	4278225021 (0xFF00887D)
YUV	94.0820, 15.2426, -82.5099
Hunter-Lab	43.6910, -25.3666, 0.1489

Details

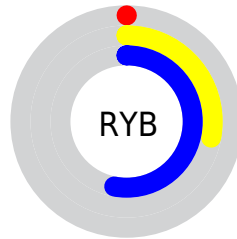
The XYZ color **12.5058, 19.0890, 22.4275** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.2143, 5.2589, 0.7937**, and the grayscale version is **10.6379, 11.1919, 12.1880**.

A 20% lighter version of the original color is **30.1055, 41.9261, 48.6253**, and **4.5530, 7.0188, 7.9523** is the 20% darker color. If you saturate the color by 10%, you get **12.5062, 19.0896, 22.4277**, and if you desaturate by 10%, it is **12.7520, 19.2082, 22.8084**.

Distribution



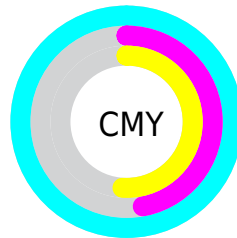
- Red (0%)
- Green (53%)
- Blue (49%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (47%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5058, 19.0890, 22.4275 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 12.5058, 19.0890, 22.4275 by changing the saturation by 10% instead.

■ 12.5058, 19.0890,
22.4275

■ 12.5058, 19.0890,
22.4275

■ 201.4279,
246.9397, 277.7967

■ 7.1638, 11.7346,
13.9700

■ 30.0220, 41.8844,
48.3628

■ 3.6120, 6.5632,
7.9613

■ 42.9268, 58.0943,
66.6777

■ 1.4850, 3.1905,
3.9828

■ 59.0833, 78.0247,
89.1155

■ 0.3156, 1.2320,
1.6159

■ 78.8568, 102.0601,
116.0947

■ 0.0000, 0.0876,
0.3021

■ 102.6126,
130.5849, 148.0339

■ 0.0000, 0.0000,
0.0000

■ 130.7162,

163.9835, 185.3516

163.5329,
202.6403, 228.4663

■ 12.5058, 19.0890,
22.4275

■ 12.5058, 19.0890,
22.4275

■ 12.5062, 19.0896,
22.4277

■ 12.7520, 19.2082,
22.8084

■ 13.1060, 19.3824,
23.1980

■ 13.6276, 19.6430,
23.5996

■ 14.3372, 20.0004,
24.0140

■ 15.2523, 20.4636,
24.4422

■ 16.3882, 21.0405,
24.8849

■ 17.7590, 21.7385,
25.3427

■ 19.3775, 22.5640,
25.8162

■ 21.2555, 23.5233,
26.3060

Harmonies

Analogous

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



12.9568, 19.0890, 13.9921



12.5058, 19.0890, 22.4275



13.4086, 19.0890, 33.1237

Triad

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



12.5058, 19.0890, 22.4275



22.0541, 19.0890, 39.6023



20.9693, 19.0890, 8.2391

Complementary

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



12.5058, 19.0890, 22.4275



10.2143, 5.2589, 0.7937

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.



23.8794, 19.0890, 11.9679



12.5058, 19.0890, 22.4275



24.5572, 19.0890, 29.4818

Square

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



12.5058, 19.0890, 22.4275



18.7084, 19.0890, 44.7886



25.2627, 19.0890, 19.2241



17.5901, 19.0890, 7.3876

Rectangle

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



12.5058, 19.0890, 22.4275



14.7301, 19.0890, 39.6206



25.2627, 19.0890, 19.2241



22.0473, 19.0890, 9.1270

Sweetspot

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



12.5064, 19.0897, 22.4280



31.1232, 38.2205, 44.6057



8.9471, 17.6825, 2.9418



6.9935, 8.7423, 10.2610



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.



12.5064, 19.0897, 22.4280



22.0119, 33.6296, 39.3814



7.2647, 7.4187, 24.3425



5.1557, 5.6818, 6.3408



11.8379, 18.0677, 21.2347



0.0810, 0.1210, 0.1537

Inverse Universe

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



10.2143, 5.2589, 0.7937



17.9741, 9.2566, 1.2632



11.6008, 8.1286, 0.9579



5.0482, 5.0547, 5.3425



9.6687, 4.9776, 0.7595



0.0661, 0.0338, 0.0149

Previews

White Background



This preview shows how the XYZ color 12.5058, 19.0890, 22.4275 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 12.5058, 19.0890, 22.4275 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 12.5058, 19.0890, 22.4275

Background



This preview shows how black text looks on a background with the XYZ color 12.5058, 19.0890, 22.4275.

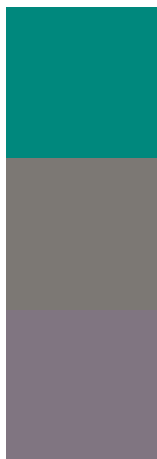


This preview shows how white text looks on a background with the XYZ color 12.5058, 19.0890,

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

12.5058, 19.0890, 22.4275

Protanopia

18.1810, 18.9790, 19.2281

Deuteranopia

19.2258, 18.8968, 23.4030



Tritanopia

14.0488, 19.1120, 29.3341

Trichromacy



Original Color

12.5058, 19.0890, 22.4275

Protanomaly

14.0151, 17.9159, 20.1722

Deuteranomaly

14.4973, 17.7231, 23.0789

Tritanomaly

13.3497, 19.0158, 26.6337

Monochromacy



Original Color

12.5058, 19.0890, 22.4275

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 12.5058, 19.0890, 22.4275 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, 125)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 125)  
}
```

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, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 125) }
```

Border

The CSS property to change the border of an element to XYZ 12.5058, 19.0890, 22.4275 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, 125) }
```


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

```
.border{ border-color:rgb(0, 136, 125) }
```

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, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 125);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5058, 19.0890, 22.4275 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, 125) }
```

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

```
.background{ background-color: rgb(0, 136,  
125) }
```

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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