

Converting Colors

XYZ(9.5652, 12.9488, 22.2452)

Have a look what the booklet for
XYZ(9.5652, 12.9488, 22.2452)
contains.

XYZ(9.5807, 12.9274, 22.4124)	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(9.5807, 12.9274,
22.4124)**

Conversions

Conversions Part 1

Format	Color
Hex	006F80
RGB	0, 111, 128
RGB Percent	0%, 44%, 50%
CMY	0.9999, 0.5647, 0.4980
CMYK	1.00, 0.13, 0.00, 0.50
HSL	188°, 100%, 25%
HSV	188°, 100%, 50%
XYZ	9.5807, 12.9274, 22.4124
YIQ	79.7490, -71.6130, -18.2450

Conversions

Conversions Part 2

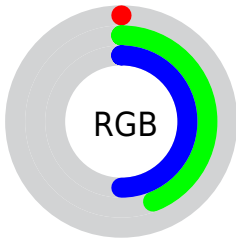
Format	Color
RYB	0, 59, 128
Decimal	28544
CIELab	42.65, -20.12, -16.96
CIELCh	43, 26.316, 220.129
Yxy	12.9274, 0.2133, 0.2878
Android (android.graphics.Color)	4278218624 (0xFF006F80)
YUV	79.7490, 23.7877, -69.9399
Hunter-Lab	35.9547, -15.3565, -11.7902

Details

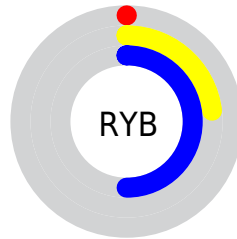
The XYZ color **9.5807, 12.9274, 22.4124** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **9.1029, 4.9906, 0.4839**, and the grayscale version is **7.5424, 7.9352, 8.6415**.

A 20% lighter version of the original color is **24.6621, 31.1928, 48.4371**, and **3.1888, 4.1195, 8.0242** is the 20% darker color. If you saturate the color by 10%, you get **9.5808, 12.9274, 22.4126**, and if you desaturate by 10%, it is **9.9315, 13.3865, 22.4828**.

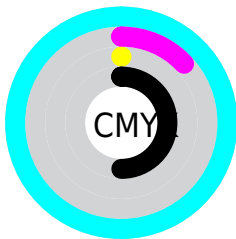
Distribution



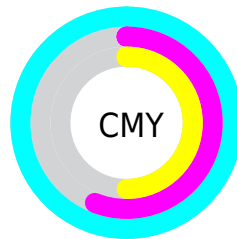
- Red (0%)
- Green (44%)
- Blue (50%)



- Red (0%)
- Yellow (23%)
- Blue (50%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (50%)



- Cyan (100%)
- Magenta (56%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.5807, 12.9274, 22.4124 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 9.5807, 12.9274, 22.4124 by changing the saturation by 10% instead.

■ 9.5807, 12.9274,
22.4124

■ 9.5807, 12.9274,
22.4124

■ 181.7696,
210.4519, 277.7159

■ 5.1820, 7.3786,
13.9590

■ 24.6607, 31.1733,
48.3376

■ 2.3903, 3.7000,
7.9538

■ 36.0727, 44.6391,
66.6464

■ 0.8403, 1.5072,
3.9780

■ 50.5531, 61.5128,
89.0776

■ 0.0000, 0.2938,
1.6133

■ 68.4674, 82.1787,
116.0495

■ 0.0000, 0.0000,
0.3003

■ 90.1808, 107.0211,
147.9807

■ 0.0000, 0.0000,
0.0000

■ 116.0587,

136.4245, 185.2898

146.4665,
170.7733, 228.3954

■ 9.5807, 12.9274,
22.4124

■ 9.5807, 12.9274,
22.4124

■ 9.5808, 12.9274,
22.4126

■ 9.9315, 13.3865,
22.4828

■ 10.3753, 13.8986,
22.5582

■ 10.9681, 14.4928,
22.6417

■ 11.7275, 15.1782,
22.7339

■ 12.6683, 15.9625,
22.8357

■ 13.8039, 16.8525,
22.9477

■ 15.1461, 17.8546,
23.0704

■ 16.7062, 18.9743,
23.2043

■ 18.4943, 20.2171,
23.3499

Harmonies

Analogous

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



8.8838, 12.9274, 16.0981



9.5807, 12.9274, 22.4124



11.0285, 12.9274, 27.1457

Triad

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



9.5807, 12.9274, 22.4124



16.2604, 12.9274, 18.1509



11.6246, 12.9274, 5.7928

Complementary

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



9.5807, 12.9274, 22.4124



9.1029, 4.9906, 0.4839

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.



13.6380, 12.9274, 6.0641



9.5807, 12.9274, 22.4124



16.4645, 12.9274, 12.2303

Square

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



9.5807, 12.9274, 22.4124



14.9297, 12.9274, 24.2602



15.4605, 12.9274, 8.1148



9.9763, 12.9274, 7.2347

Rectangle

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



9.5807, 12.9274, 22.4124



12.2958, 12.9274, 28.1720



15.4605, 12.9274, 8.1148



12.2785, 12.9274, 5.6986

Sweetspot

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



9.5811, 12.9279, 22.4127



26.4890, 31.3051, 40.6026



7.8053, 15.4730, 3.0251



5.9976, 7.1786, 9.4878



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



9.5811, 12.9279, 22.4127



16.7932, 22.6104, 39.4354



4.9980, 3.7615, 20.8850



4.3993, 4.7926, 5.5065



9.5006, 12.8197, 22.2237



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.7717, 5.7373, 15.5264



20.6874, 10.0855, 27.1360



11.6939, 10.1724, 1.3475



4.4744, 4.4029, 5.3025



11.6724, 5.6887, 15.3966



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 9.5807, 12.9274, 22.4124 looks on a white 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

Black Background



This preview shows how the XYZ color 9.5807, 12.9274, 22.4124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

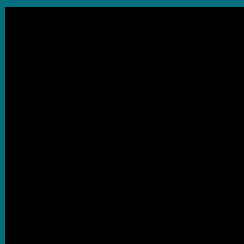
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.5807, 12.9274, 22.4124

Background



This preview shows how black text looks on a background with the XYZ color 9.5807, 12.9274, 22.4124.

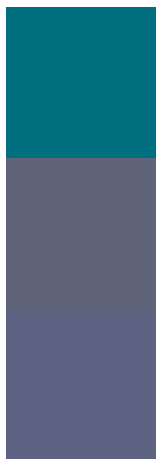


This preview shows how white text looks on a background with the XYZ color 9.5807, 12.9274,

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

9.5807, 12.9274, 22.4124

Protanopia

12.7712, 12.9572, 19.5972

Deuteranopia

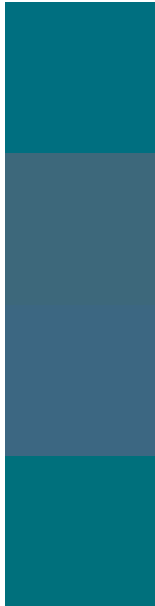
13.1747, 12.9421, 23.2764



Tritanopia

9.2454, 12.9688, 20.1051

Trichromacy



Original Color

9.5807, 12.9274, 22.4124

Protanomaly

10.4499, 12.3228, 20.5667

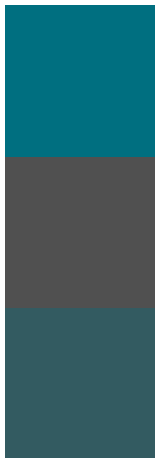
Deuteranomaly

10.7430, 12.2729, 22.9218

Tritanomaly

9.4323, 13.0436, 21.0893

Monochromacy



Original Color

9.5807, 12.9274, 22.4124

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

7.2640, 9.0490, 12.6730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.5807, 12.9274, 22.4124 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, 111, 128)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 128)  
}
```

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, 111, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 128) }
```

Border

The CSS property to change the border of an element to XYZ 9.5807, 12.9274, 22.4124 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, 111, 128) }
```


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

```
.border{ border-color:rgb(0, 111, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 111, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 128);  
box-shadow:4px 4px 4px 4px rgb(0, 111,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 9.5807, 12.9274, 22.4124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 111, 128) }
```

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

```
.background{ background-color: rgb(0, 111,  
128) }
```

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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