

Converting Colors

XYZ(4.8355, 14.8076, 23.8510)

Have a look what the booklet for
XYZ(4.8355, 14.8076, 23.8510)
contains.

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Color

**XYZ(12.6932, 18.9397,
24.1058)**

Conversions

Conversions Part 1

Format	Color
Hex	008782
RGB	0, 135, 130
RGB Percent	0%, 53%, 51%
CMY	1.0000, 0.4706, 0.4902
CMYK	1.00, 0.00, 0.04, 0.47
HSL	178°, 100%, 26%
HSV	178°, 100%, 53%
XYZ	12.6932, 18.9397, 24.1058
YIQ	94.0650, -78.8550, -30.1750

Conversions

Conversions Part 2

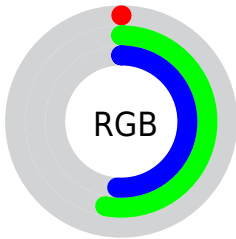
Format	Color
RYB	0, 69, 135
Decimal	34690
CIELab	50.62, -31.57, -6.13
CIELCh	51, 32.158, 190.996
Yxy	18.9397, 0.2277, 0.3398
Android (android.graphics.Color)	4278224770 (0xFF008782)
YUV	94.0650, 17.7160, -82.4950
Hunter-Lab	43.5198, -24.0974, -2.3772

Details

The XYZ color **12.6932, 18.9397, 24.1058** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.0196, 5.1623, 0.6123**, and the grayscale version is **10.6285, 11.1820, 12.1772**.

A 20% lighter version of the original color is **30.4010, 41.6989, 51.2461**, and **4.6555, 6.9347, 8.8777** is the 20% darker color. If you saturate the color by 10%, you get **12.6936, 18.9403, 24.1061**, and if you desaturate by 10%, it is **12.9009, 19.0433, 24.2917**.

Distribution



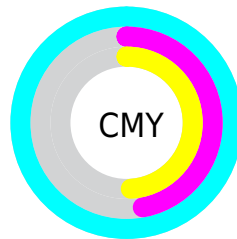
- Red (0%)
- Green (53%)
- Blue (51%)



- Red (0%)
- Yellow (27%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (47%)



- Cyan (100%)
- Magenta (47%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6932, 18.9397, 24.1058 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 12.6932, 18.9397, 24.1058 by changing the saturation by 10% instead.

12.6932, 18.9397,
24.1058

12.6932, 18.9397,
24.1058

202.6196,
246.1157, 286.6587

7.2932, 11.6267,
15.1992

30.3575, 41.6322,
51.1488

3.6941, 6.4900,
8.8111

43.3525, 57.7805,
70.1223

1.5306, 3.1453,
4.5231

59.6099, 77.6426,
93.2884

0.3465, 1.2080,
1.9165

79.4949, 101.6031,
121.0658

0.0000, 0.0683,
0.5032

103.3731,
130.0462, 153.8730

0.0000, 0.0000,
0.0000

131.6097,

163.3565, 192.1285

164.5700,
201.9181, 236.2509

■ 12.6932, 18.9397,
24.1058

■ 12.6932, 18.9397,
24.1058

■ 12.6936, 18.9403,
24.1061

■ 12.9009, 19.0433,
24.2917

■ 13.2134, 19.2005,
24.4828

■ 13.6902, 19.4424,
24.6826

■ 14.3512, 19.7792,
24.8918

■ 15.2136, 20.2198,
25.1113

■ 16.2925, 20.7720,
25.3417

■ 17.6015, 21.4428,
25.5838

■ 19.1534, 22.2388,
25.8382

■ 20.9598, 23.1660,
26.1053

Harmonies

Analogous

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



12.8672, 18.9397, 15.4803



12.6932, 18.9397, 24.1058



13.8117, 18.9397, 34.2004

Triad

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



12.6932, 18.9397, 24.1058



22.2680, 18.9397, 36.6531



20.0438, 18.9397, 8.1974

Complementary

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



12.6932, 18.9397, 24.1058



10.0196, 5.1623, 0.6123

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.



22.9633, 18.9397, 11.2182



12.6932, 18.9397, 24.1058



24.3472, 18.9397, 26.7925

Square

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



12.6932, 18.9397, 24.1058



19.1801, 18.9397, 42.7275



24.6155, 18.9397, 17.4913



16.8724, 18.9397, 7.8636

Rectangle

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



12.6932, 18.9397, 24.1058



15.2254, 18.9397, 39.7841



24.6155, 18.9397, 17.4913



21.0963, 18.9397, 8.8796

Sweetspot

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



12.6938, 18.9404, 24.1063



31.3470, 38.3100, 45.7839



8.7490, 17.3723, 2.8924



7.0513, 8.7654, 10.5657



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.



12.6938, 18.9404, 24.1063



22.7175, 33.9119, 43.0969



6.8394, 6.6812, 23.8517



4.7944, 5.2760, 5.9283



11.7058, 17.4652, 22.2339



0.0411, 0.0607, 0.0801

Inverse Universe

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



10.0196, 5.1623, 0.6123



17.9289, 9.2386, 1.0255



11.6479, 8.4627, 1.0199



4.6790, 4.6913, 4.9222



9.2400, 4.7603, 0.5702



0.0324, 0.0167, 0.0042

Previews

White Background



This preview shows how the XYZ color 12.6932, 18.9397, 24.1058 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 12.6932, 18.9397, 24.1058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

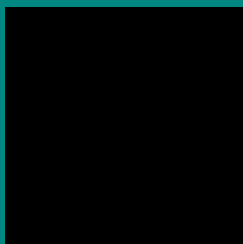
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.6932, 18.9397, 24.1058

Background



This preview shows how black text looks on a background with the XYZ color 12.6932, 18.9397, 24.1058.



This preview shows how white text looks on a background with the XYZ color 12.6932, 18.9397,

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

12.6932, 18.9397, 24.1058

Protanopia

18.0741, 18.7117, 20.7483

Deuteranopia

19.1218, 18.8038, 25.1759



Tritanopia

13.9283, 19.0499, 29.3285

Trichromacy



Original Color

12.6932, 18.9397, 24.1058

Protanomaly

14.1136, 17.7422, 21.7495

Deuteranomaly

14.7496, 17.8142, 24.8514

Tritanomaly

13.4348, 19.0429, 27.3937

Monochromacy



Original Color

12.6932, 18.9397, 24.1058

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

9.9860, 12.9595, 15.8850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6932, 18.9397, 24.1058 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, 135, 130)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 130)  
}
```

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, 135, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 130) }
```

Border

The CSS property to change the border of an element to XYZ 12.6932, 18.9397, 24.1058 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, 135, 130) }
```


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

```
.border{ border-color:rgb(0, 135, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 135, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 130);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6932, 18.9397, 24.1058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 130) }
```

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

```
.background{ background-color: rgb(0, 135,  
130) }
```

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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