

Converting Colors

XYZ(8.5372, 16.2495, 24.5059)

Have a look what the booklet for
XYZ(8.5372, 16.2495, 24.5059)
contains.

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Color

**XYZ(12.4161, 18.1685,
24.6823)**

Conversions

Conversions Part 1

Format	Color
Hex	008484
RGB	0, 132, 132
RGB Percent	0%, 52%, 52%
CMY	0.9999, 0.4823, 0.4823
CMYK	1.00, 0.00, 0.00, 0.48
HSL	180°, 100%, 26%
HSV	180°, 100%, 52%
XYZ	12.4161, 18.1685, 24.6823
YIQ	92.5320, -78.6720, -27.9840

Conversions

Conversions Part 2

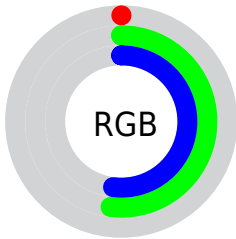
Format	Color
RYB	0, 66, 132
Decimal	33924
CIELab	49.70, -29.49, -8.67
CIELCh	50, 30.738, 196.386
Yxy	18.1685, 0.2247, 0.3287
Android (android.graphics.Color)	4278224004 (0xFF008484)
YUV	92.5320, 19.4577, -81.1506
Hunter-Lab	42.6245, -22.5976, -4.4955

Details

The XYZ color **12.4161, 18.1685, 24.6823** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.5163, 4.9060, 0.4458**, and the grayscale version is **10.2661, 10.8008, 11.7620**.

A 20% lighter version of the original color is **29.9720, 40.5054, 52.1376**, and **4.5786, 6.6591, 9.2276** is the 20% darker color. If you saturate the color by 10%, you get **12.4165, 18.1691, 24.6827**, and if you desaturate by 10%, it is **12.5856, 18.2563, 24.6907**.

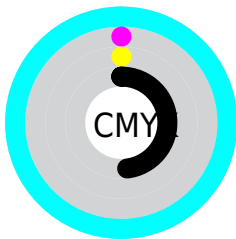
Distribution



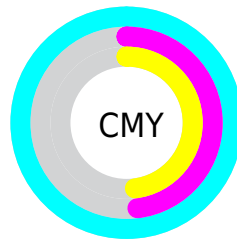
- Red (0%)
- Green (52%)
- Blue (52%)



- Red (0%)
- Yellow (26%)
- Blue (52%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (48%)



- Cyan (100%)
- Magenta (48%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4161, 18.1685, 24.6823 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 12.4161, 18.1685, 24.6823 by changing the saturation by 10% instead.

■ 12.4161, 18.1685,
24.6823

■ 12.4161, 18.1685,
24.6823

200.8550,
241.8191, 289.6489

■ 7.1019, 11.0710,
15.6237

■ 29.8610, 40.3242,
52.0991

■ 3.5728, 6.1146,
9.1068

■ 42.7225, 56.1513,
71.2943

■ 1.4634, 2.9149,
4.7131

■ 58.8305, 75.6570,
94.7054

■ 0.3007, 1.0875,
2.0242

■ 78.5503, 99.2257,
122.7510

■ 0.0000, 0.0000,
0.5701

■ 102.2473,
127.2419, 155.8496

■ 0.0000, 0.0000,
0.0000

■ 130.2868,

160.0900, 194.4198

163.0343,
198.1542, 238.8800

■ 12.4161, 18.1685,
24.6823

■ 12.4161, 18.1685,
24.6823

■ 12.4165, 18.1691,
24.6827

■ 12.5856, 18.2563,
24.6907

■ 12.8531, 18.3942,
24.7032

■ 13.2766, 18.6125,
24.7231

■ 13.8750, 18.9210,
24.7512

■ 14.6643, 19.3279,
24.7881

■ 15.6589, 19.8406,
24.8347

■ 16.8717, 20.4658,
24.8915

■ 18.3147, 21.2097,
24.9591

■ 19.9990, 22.0780,
25.0380

Harmonies

Analogous

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



12.3597, 18.1685, 16.2288



12.4161, 18.1685, 24.6823



13.6729, 18.1685, 33.8829

Triad

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



12.4161, 18.1685, 24.6823



21.6682, 18.1685, 33.1003



18.6263, 18.1685, 7.8955

Complementary

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



12.4161, 18.1685, 24.6823



9.5163, 4.9060, 0.4458

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.



21.4451, 18.1685, 10.2634



12.4161, 18.1685, 24.6823



23.3307, 18.1685, 23.8203

Square

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



12.4161, 18.1685, 24.6823



18.9040, 18.1685, 39.6041



23.2447, 18.1685, 15.5781



15.7303, 18.1685, 8.0053

Rectangle

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



12.4161, 18.1685, 24.6823



15.1126, 18.1685, 38.5113



23.2447, 18.1685, 15.5781



19.6205, 18.1685, 8.3913

Sweetspot

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



12.4167, 18.1692, 24.6827



29.5606, 35.9679, 43.8374



8.2793, 16.5174, 2.7522



6.6944, 8.2772, 10.1975



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.4167, 18.1692, 24.6827



21.8708, 32.0037, 43.4770



6.2449, 5.8255, 22.6259



4.8016, 5.2789, 5.9666



12.0218, 17.5916, 23.8982



0.0416, 0.0609, 0.0828

Inverse Universe

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



9.5163, 4.9060, 0.4458



16.7619, 8.6411, 0.7845



11.3387, 8.5509, 1.0533



4.6726, 4.6887, 4.8881



9.2136, 4.7498, 0.4312



0.0319, 0.0165, 0.0015

Previews

White Background



This preview shows how the XYZ color 12.4161, 18.1685, 24.6823 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 12.4161, 18.1685, 24.6823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

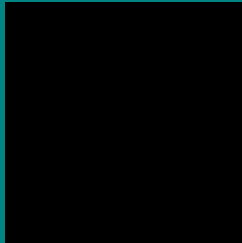
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.4161, 18.1685, 24.6823

Background



This preview shows how black text looks on a background with the XYZ color 12.4161, 18.1685, 24.6823.

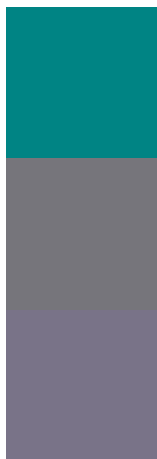


This preview shows how white text looks on a background with the XYZ color 12.4161, 18.1685,

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

12.4161, 18.1685, 24.6823

Protanopia

17.4077, 18.0042, 21.2966

Deuteranopia

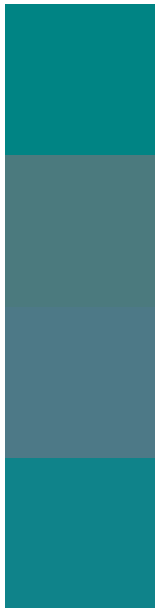
18.4598, 18.1040, 25.8140



Tritanopia

13.3007, 18.3499, 28.0402

Trichromacy



Original Color

12.4161, 18.1685, 24.6823

Protanomaly

13.6271, 16.9213, 22.2866

Deuteranomaly

14.2711, 17.0018, 25.4512

Tritanomaly

12.9007, 18.1691, 26.8718

Monochromacy



Original Color

12.4161, 18.1685, 24.6823

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.7152, 12.5067, 15.8119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4161, 18.1685, 24.6823 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, 132, 132)` looks like.

```
.text, #text, p{  
    color:rgb(0, 132, 132)  
}
```

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, 132, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 132, 132) }
```

Border

The CSS property to change the border of an element to XYZ 12.4161, 18.1685, 24.6823 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, 132, 132) }
```


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

```
.border{ border-color:rgb(0, 132, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 132, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 132, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 132, 132);  
box-shadow:4px 4px 4px 4px rgb(0, 132,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4161, 18.1685, 24.6823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 132, 132) }
```

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

```
.background{ background-color: rgb(0, 132,  
132) }
```

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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