

Converting Colors

XYZ(9.8062, 15.1721, 18.8904)

Have a look what the booklet for
XYZ(9.8062, 15.1721, 18.8904)
contains.

XYZ(10.2353, 15.4269, 18.9612)	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(10.2353, 15.4269,
18.9612)**

Conversions

Conversions Part 1

Format	Color
Hex	007B74
RGB	0, 123, 116
RGB Percent	0%, 48%, 45%
CMY	1.0000, 0.5176, 0.5451
CMYK	1.00, 0.00, 0.06, 0.52
HSL	177°, 100%, 24%
HSV	177°, 100%, 48%
XYZ	10.2353, 15.4269, 18.9612
YIQ	85.4250, -71.0610, -28.2530

Conversions

Conversions Part 2

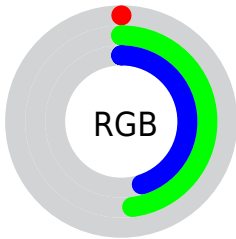
Format	Color
RYB	0, 63, 123
Decimal	31604
CIELab	46.21, -30.28, -4.42
CIElCh	46, 30.603, 188.307
Yxy	15.4269, 0.2294, 0.3457
Android (android.graphics.Color)	4278221684 (0xFF007B74)
YUV	85.4250, 15.0735, -74.9177
Hunter-Lab	39.2771, -22.2192, -1.1286

Details

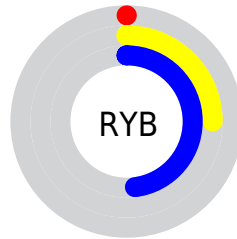
The XYZ color **10.2353, 15.4269, 18.9612** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.2072, 4.2266, 0.5845**, and the grayscale version is **8.7045, 9.1578, 9.9728**.

A 20% lighter version of the original color is **25.9015, 35.5833, 42.5489**, and **3.4259, 5.1824, 6.2886** is the 20% darker color. If you saturate the color by 10%, you get **10.2356, 15.4274, 18.9614**, and if you desaturate by 10%, it is **10.4325, 15.5242, 19.1842**.

Distribution



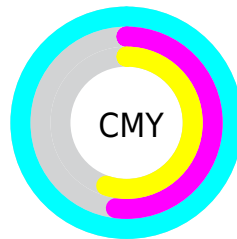
- Red (0%)
- Green (48%)
- Blue (45%)



- Red (0%)
- Yellow (25%)
- Blue (48%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (52%)



- Cyan (100%)
- Magenta (52%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2353, 15.4269, 18.9612 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 10.2353, 15.4269, 18.9612 by changing the saturation by 10% instead.

■ 10.2353, 15.4269,
18.9612

■ 10.2353, 15.4269,
18.9612

186.3620,
225.9358, 258.6501

■ 5.6187, 9.1195,
11.4657

■ 25.8828, 35.6004,
42.5044

■ 2.6531, 4.8192,
6.2629

■ 37.6445, 50.2353,
59.3891

■ 0.9731, 2.1416,
2.9342

■ 52.5185, 68.4148,
80.2407

■ 0.0000, 0.6879,
1.0612

■ 70.8703, 90.5234,
105.4776

■ 0.0000, 0.0000,
0.0000

■ 93.0652, 116.9453,
135.5185

■ 119.4685,

148.0651, 170.7819

150.4457,
184.2672, 211.6862

■ 10.2353, 15.4269,
18.9612

■ 10.2353, 15.4269,
18.9612

■ 10.2356, 15.4274,
18.9614

■ 10.4325, 15.5242,
19.1842

■ 10.7091, 15.6620,
19.4122

■ 11.1189, 15.8685,
19.6480

■ 11.6778, 16.1518,
19.8925

■ 12.3992, 16.5188,
20.1461

■ 13.2950, 16.9757,
20.4095

■ 14.3762, 17.5281,
20.6833

■ 15.6528, 18.1813,
20.9677

■ 17.1339, 18.9398,
21.2634

Harmonies

Analogous

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



10.4755, 15.4269, 12.0238



10.2353, 15.4269, 18.9612



11.0658, 15.4269, 27.3781

Triad

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



10.2353, 15.4269, 18.9612



17.9999, 15.4269, 30.7930



16.5977, 15.4269, 6.6670

Complementary

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



10.2353, 15.4269, 18.9612



8.2072, 4.2266, 0.5845

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.



18.9653, 15.4269, 9.3686



10.2353, 15.4269, 18.9612



19.8394, 15.4269, 22.6915

Square

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



10.2353, 15.4269, 18.9612



15.4001, 15.4269, 35.4174



20.2122, 15.4269, 14.8046



13.9494, 15.4269, 6.2094

Rectangle

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



10.2353, 15.4269, 18.9612



12.1804, 15.4269, 32.2401



20.2122, 15.4269, 14.8046



17.4614, 15.4269, 7.2937

Sweetspot

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



10.2358, 15.4275, 18.9616



25.5874, 31.3076, 37.0000



7.1860, 14.2194, 2.3661



5.8602, 7.2886, 8.6734



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.2358, 15.4275, 18.9616



18.3108, 27.6184, 33.8595



5.7471, 5.7736, 19.5511



4.0977, 4.5087, 5.0482



10.5876, 15.9587, 19.6112



50.3962, 76.0815, 92.9792

Inverse Universe

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



8.2072, 4.2266, 0.5845



14.6776, 7.5608, 0.9484



9.4558, 6.7853, 0.8115



4.0067, 4.0184, 4.2330



8.4891, 4.3718, 0.6007



40.3899, 20.8123, 2.3172

Previews

White Background



This preview shows how the XYZ color 10.2353, 15.4269, 18.9612 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 10.2353, 15.4269, 18.9612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

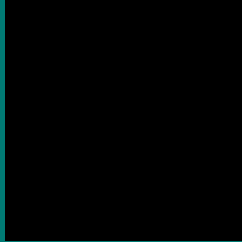
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.2353, 15.4269, 18.9612

Background



This preview shows how black text looks on a background with the XYZ color 10.2353, 15.4269, 18.9612.



This preview shows how white text looks on a background with the XYZ color 10.2353, 15.4269,

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

10.2353, 15.4269, 18.9612

Protanopia

14.7310, 15.3995, 16.3834

Deuteranopia

15.6144, 15.3090, 19.9013



Tritanopia

11.4130, 15.5603, 23.8746

Trichromacy



Original Color

10.2353, 15.4269, 18.9612

Protanomaly

11.4851, 14.5219, 17.2366

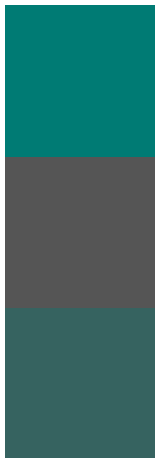
Deuteranomaly

11.8716, 14.3367, 19.5943

Tritanomaly

10.9749, 15.5540, 22.1625

Monochromacy



Original Color

10.2353, 15.4269, 18.9612

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

8.0945, 10.5525, 12.6765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2353, 15.4269, 18.9612 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, 123, 116)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 116)  
}
```

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, 123, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 116) }
```

Border

The CSS property to change the border of an element to XYZ 10.2353, 15.4269, 18.9612 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, 123, 116) }
```


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

```
.border{ border-color:rgb(0, 123, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 123, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 116);  
box-shadow:4px 4px 4px 4px rgb(0, 123,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2353, 15.4269, 18.9612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 123, 116) }
```

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

```
.background{ background-color: rgb(0, 123,  
116) }
```

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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