

Converting Colors

XYZ(10.2346, 16.2845, 15.9177)

Have a look what the booklet for
XYZ(10.2346, 16.2845, 15.9177)
contains.

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Color

**XYZ(10.2143, 16.2374,
15.9604)**

Conversions

Conversions Part 1

Format	Color
Hex	067F69
RGB	6, 127, 105
RGB Percent	2%, 50%, 41%
CMY	0.9764, 0.5020, 0.5882
CMYK	0.95, 0.00, 0.17, 0.50
HSL	169°, 91%, 26%
HSV	169°, 95%, 50%
XYZ	10.2143, 16.2374, 15.9604
YIQ	88.3130, -65.0540, -32.4940

Conversions

Conversions Part 2

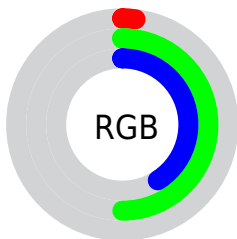
Format	Color
RYB	6, 73, 127
Decimal	425833
CIELab	47.28, -35.06, 3.66
CIELCh	47, 35.251, 174.043
Yxy	16.2374, 0.2408, 0.3828
Android (android.graphics.Color)	4278615913 (0xFF067F69)
YUV	88.3130, 8.2267, -72.1885
Hunter-Lab	40.2957, -25.2705, 4.7232

Details

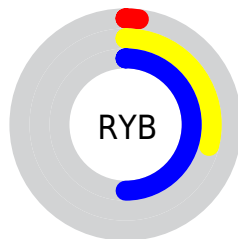
The XYZ color **10.2143, 16.2374, 15.9604** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.0277, 4.7266, 1.5359**, and the grayscale version is **9.3380, 9.8243, 10.6986**.

A 20% lighter version of the original color is **25.9180, 37.1974, 37.2663**, and **3.4176, 5.6132, 4.9063** is the 20% darker color. If you saturate the color by 10%, you get **10.0837, 16.1769, 15.6632**, and if you desaturate by 10%, it is **10.5228, 16.3829, 16.6033**.

Distribution



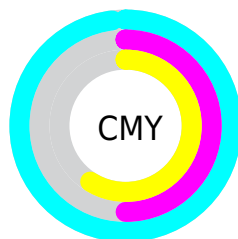
- Red (2%)
- Green (50%)
- Blue (41%)



- Red (2%)
- Yellow (29%)
- Blue (50%)



- Cyan (95%)
- Magenta (0%)
- Yellow (17%)
- Black (50%)



- Cyan (98%)
- Magenta (50%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2143, 16.2374, 15.9604 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 10.2143, 16.2374, 15.9604 by changing the saturation by 10% instead.

10.2143, 16.2374,
15.9604

10.2143, 16.2374,
15.9604

186.2166,
230.7385, 240.9457

5.6046, 9.6923,
9.3421

25.8438, 37.0099,
37.2953

2.6446, 5.1954,
4.8651

37.5944, 52.0060,
52.8489

0.9687, 2.3624,
2.1110

52.4560, 70.5879,
72.2181

0.0000, 0.8064,
0.6223

70.7940, 93.1401,
95.8213

0.0000, 0.0000,
0.0000

92.9737, 120.0468,
124.0771

119.3604,

151.6925, 157.4041

150.3196,
188.4616, 196.2208

■ 10.2143, 16.2374,
15.9604

■ 10.2143, 16.2374,
15.9604

■ 10.0837, 16.1769,
15.6632

■ 10.5228, 16.3829,
16.6033

■ 10.9610, 16.5946,
17.2690

■ 11.5539, 16.8855,
17.9589

■ 12.3172, 17.2640,
18.6740

■ 13.2648, 17.7371,
19.4152

■ 14.4091, 18.3112,
20.1829

■ 15.7614, 18.9921,
20.9780

■ 17.3321, 19.7853,
21.8011

■ 19.1310, 20.6957,
22.6526

Harmonies

Analogous

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



11.0789, 16.2374, 9.4061



10.2143, 16.2374, 15.9604



10.5885, 16.2374, 25.6206

Triad

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



10.2143, 16.2374, 15.9604



18.0015, 16.2374, 38.4000



19.2197, 16.2374, 7.1203

Complementary

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



10.2143, 16.2374, 15.9604



9.0277, 4.7266, 1.5359

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.



21.5676, 16.2374, 11.5769



10.2143, 16.2374, 15.9604



20.8007, 16.2374, 29.7708

Square

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



10.2143, 16.2374, 15.9604



14.8205, 16.2374, 40.7860



22.1818, 16.2374, 19.5184



16.0625, 16.2374, 5.5265

Rectangle

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



10.2143, 16.2374, 15.9604



11.5194, 16.2374, 32.4685



22.1818, 16.2374, 19.5184



20.1459, 16.2374, 8.2423

Sweetspot

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



10.2148, 16.2380, 15.9608



27.1056, 33.4456, 36.9295



8.1068, 15.4421, 2.7260



6.1448, 7.7292, 8.5260



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.



10.2148, 16.2380, 15.9608



18.0071, 28.9481, 27.7859



7.4527, 8.6642, 21.3589



4.4139, 4.8739, 5.3510



10.1689, 16.3141, 15.7938



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.0277, 4.7266, 1.5359



15.9097, 8.1745, 1.9770



9.6985, 6.3511, 0.8873



4.3573, 4.3561, 4.6858



8.9836, 4.6131, 1.2373



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.2143, 16.2374, 15.9604 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 10.2143, 16.2374, 15.9604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

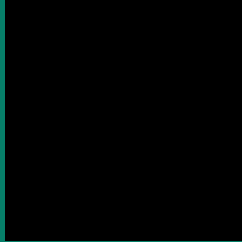
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.2143, 16.2374, 15.9604

Background



This preview shows how black text looks on a background with the XYZ color 10.2143, 16.2374, 15.9604.

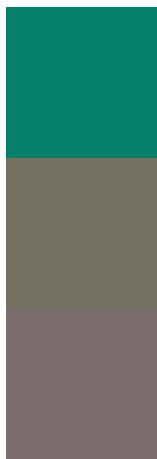


This preview shows how white text looks on a background with the XYZ color 10.2143, 16.2374,

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

10.2143, 16.2374, 15.9604

Protanopia

15.1782, 16.0139, 13.6003

Deuteranopia

16.2913, 16.0402, 16.7054



Tritanopia

12.0795, 16.2527, 24.6907

Trichromacy



Original Color

10.2143, 16.2374, 15.9604

Protanomaly

11.7221, 15.2205, 14.3766

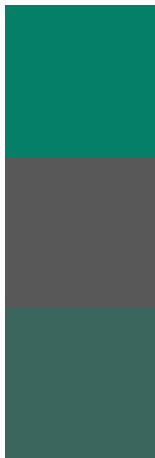
Deuteranomaly

12.1458, 15.0497, 16.4521

Tritanomaly

11.2088, 16.0650, 21.2490

Monochromacy



Original Color

10.2143, 16.2374, 15.9604

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

8.5167, 11.2104, 12.3046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2143, 16.2374, 15.9604 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(6, 127, 105)` looks like.

```
.text, #text, p{  
    color:rgb(6, 127, 105)  
}
```

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(6, 127, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 127, 105) }
```

Border

The CSS property to change the border of an element to XYZ 10.2143, 16.2374, 15.9604 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(6, 127, 105) }
```


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

```
.border{ border-color:rgb(6, 127, 105) }
```

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

Here you see how a box with a 4 pixel rgb(6, 127, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 127, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 127, 105);  
box-shadow:4px 4px 4px 4px rgb(6, 127,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2143, 16.2374, 15.9604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 127, 105) }
```

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

```
.background{ background-color: rgb(6, 127,  
105) }
```

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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