

Converting Colors

XYZ(10.2441, 15.3169, 19.1333)

Have a look what the booklet for
XYZ(10.2441, 15.3169, 19.1333)
contains.

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Color

**XYZ(10.2205, 15.2292,
19.2305)**

Conversions

Conversions Part 1

Format	Color
Hex	047A75
RGB	4, 122, 117
RGB Percent	2%, 48%, 46%
CMY	0.9843, 0.5216, 0.5412
CMYK	0.97, 0.00, 0.04, 0.52
HSL	177°, 94%, 25%
HSV	177°, 97%, 48%
XYZ	10.2205, 15.2292, 19.2305
YIQ	86.1480, -68.7230, -26.5710

Conversions

Conversions Part 2

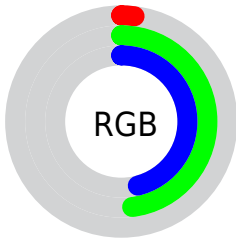
Format	Color
RYB	4, 64, 122
Decimal	293493
CIELab	45.95, -29.25, -5.41
CIElCh	46, 29.742, 190.476
Yxy	15.2292, 0.2287, 0.3408
Android (android.graphics.Color)	4278483573 (0xFF047A75)
YUV	86.1480, 15.2100, -72.0438
Hunter-Lab	39.0246, -21.5441, -1.8996

Details

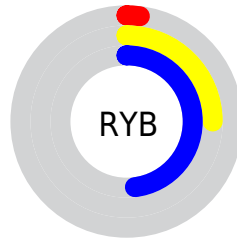
The XYZ color **10.2205, 15.2292, 19.2305** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.1193, 4.2446, 0.6503**, and the grayscale version is **8.8571, 9.3184, 10.1477**.

A 20% lighter version of the original color is **25.8847, 35.2738, 42.9804**, and **3.3915, 5.0644, 6.4290** is the 20% darker color. If you saturate the color by 10%, you get **10.1607, 15.1999, 19.1758**, and if you desaturate by 10%, it is **10.4186, 15.3281, 19.3993**.

Distribution



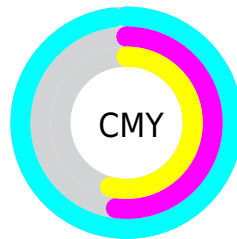
- Red (2%)
- Green (48%)
- Blue (46%)



- Red (2%)
- Yellow (25%)
- Blue (48%)



- Cyan (97%)
- Magenta (0%)
- Yellow (4%)
- Black (52%)



- Cyan (98%)
- Magenta (52%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2205, 15.2292, 19.2305 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 10.2205, 15.2292, 19.2305 by changing the saturation by 10% instead.

10.2205, 15.2292,
19.2305

10.2205, 15.2292,
19.2305

186.2596,
224.7493, 260.1833

5.6088, 8.9804,
11.6585

25.8553, 35.2548,
42.9651

2.6471, 4.7284,
6.3919

37.6092, 49.8003,
59.9647

0.9700, 2.0888,
3.0122

52.4745, 67.8803,
80.9440

0.0000, 0.6583,
1.1009

70.8165, 89.8790,
106.3214

0.0000, 0.0000,
0.0000

93.0007, 116.1808,
136.5155

119.3924,

147.1702, 171.9448

150.3569,
183.2316, 213.0279

■ 10.2205, 15.2292,
19.2305

■ 10.2205, 15.2292,
19.2305

■ 10.1607, 15.1999,
19.1758

■ 10.4186, 15.3281,
19.3993

■ 10.7222, 15.4811,
19.5735

■ 11.1619, 15.7042,
19.7550

■ 11.7523, 16.0050,
19.9445

■ 12.5059, 16.3899,
20.1424

■ 13.4343, 16.8649,
20.3494

■ 14.5477, 17.4352,
20.5660

■ 15.8556, 18.1058,
20.7926

■ 17.3670, 18.8813,
21.0295

Harmonies

Analogous

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



10.3779, 15.2292, 12.3699



10.2205, 15.2292, 19.2305



11.0985, 15.2292, 27.2977

Triad

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



10.2205, 15.2292, 19.2305



17.8472, 15.2292, 29.5091



16.1523, 15.2292, 6.6527

Complementary

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



10.2205, 15.2292, 19.2305



8.1193, 4.2446, 0.6503

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.



18.4748, 15.2292, 9.1173



10.2205, 15.2292, 19.2305



19.5291, 15.2292, 21.6558

Square

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



10.2205, 15.2292, 19.2305



15.3723, 15.2292, 34.2743



19.7712, 15.2292, 14.1886



13.6131, 15.2292, 6.3498

Rectangle

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



10.2205, 15.2292, 19.2305



12.2198, 15.2292, 31.7927



19.7712, 15.2292, 14.1886



16.9917, 15.2292, 7.2129

Sweetspot

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



10.2210, 15.2298, 19.2309



24.9720, 30.3547, 36.0650



7.1059, 13.9923, 2.4416



5.5549, 6.8613, 8.2163



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



10.2210, 15.2298, 19.2309



17.8623, 26.7352, 33.6674



5.6857, 5.6760, 19.2088



4.1001, 4.5096, 5.0608



10.6965, 16.0023, 20.1844



50.9414, 76.2996, 95.8502

Inverse Universe

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



8.1193, 4.2446, 0.6503



14.1569, 7.2939, 0.8541



9.5168, 7.0836, 0.9810



4.0045, 4.0175, 4.2216



8.4792, 4.3678, 0.5482



40.3667, 20.8030, 2.1954

Previews

White Background



This preview shows how the XYZ color 10.2205, 15.2292, 19.2305 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 10.2205, 15.2292, 19.2305 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 10.2205, 15.2292, 19.2305

Background



This preview shows how black text looks on a background with the XYZ color 10.2205, 15.2292, 19.2305.



This preview shows how white text looks on a background with the XYZ color 10.2205, 15.2292,

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

10.2205, 15.2292, 19.2305

Protanopia

14.5533, 15.1442, 16.6241

Deuteranopia

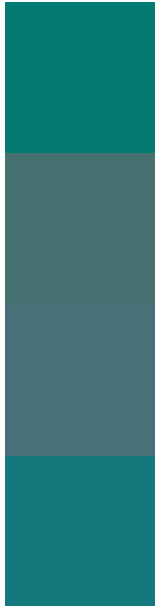
15.4153, 15.1993, 20.2104



Tritanopia

11.1977, 15.2777, 23.4778

Trichromacy



Original Color

10.2205, 15.2292, 19.2305

Protanomaly

11.4283, 14.3197, 17.4909

Deuteranomaly

11.9320, 14.3609, 19.9123

Tritanomaly

10.8076, 15.2939, 21.7844

Monochromacy



Original Color

10.2205, 15.2292, 19.2305

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

8.2504, 10.6275, 12.9257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2205, 15.2292, 19.2305 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(4, 122, 117) looks like.

```
.text, #text, p{  
    color:rgb(4, 122, 117)  
}
```

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(4, 122, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 122, 117) }
```

Border

The CSS property to change the border of an element to XYZ 10.2205, 15.2292, 19.2305 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(4, 122, 117) }
```


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

```
.border{ border-color:rgb(4, 122, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 122, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 122, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 122, 117);  
box-shadow:4px 4px 4px 4px rgb(4, 122,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2205, 15.2292, 19.2305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 122, 117) }
```

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

```
.background{ background-color: rgb(4, 122,  
117) }
```

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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