

Converting Colors

XYZ(12.2504, 16.4593, 19.3615)

Have a look what the booklet for
XYZ(12.2504, 16.4593, 19.3615)
contains.

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Color

**XYZ(12.2805, 16.4744,
19.3623)**

Conversions

Conversions Part 1

Format	Color
Hex	3E7B75
RGB	62, 123, 117
RGB Percent	24%, 48%, 46%
CMY	0.7568, 0.5176, 0.5412
CMYK	0.50, 0.00, 0.05, 0.52
HSL	174°, 33%, 36%
HSV	174°, 50%, 48%
XYZ	12.2805, 16.4744, 19.3623
YIQ	104.0770, -34.4300, -14.7980

Conversions

Conversions Part 2

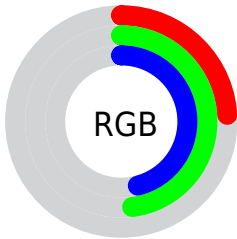
Format	Color
RYB	62, 94, 123
Decimal	4094837
CIELab	47.59, -21.33, -2.83
CIElCh	48, 21.513, 187.555
Yxy	16.4744, 0.2552, 0.3424
Android (android.graphics.Color)	4282284917 (0xFF3E7B75)
YUV	104.0770, 6.3710, -36.9015
Hunter-Lab	40.5887, -17.0232, 0.1285

Details

The XYZ color **12.2805, 16.4744, 19.3623** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.9350, 8.0741, 6.4517**, and the grayscale version is **13.1693, 13.8551, 15.0882**.

A 20% lighter version of the original color is **29.6262, 37.4926, 43.2115**, and **3.5230, 5.3272, 6.4728** is the 20% darker color. If you saturate the color by 10%, you get **11.5243, 16.0931, 18.9582**, and if you desaturate by 10%, it is **13.2133, 16.9474, 19.7802**.

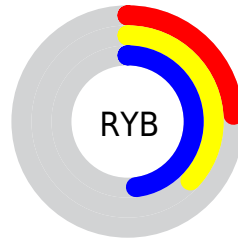
Distribution



Red (24%)

Green (48%)

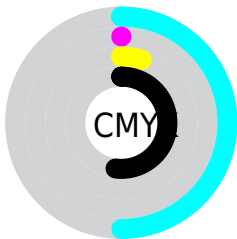
Blue (46%)



Red (24%)

Yellow (37%)

Blue (48%)

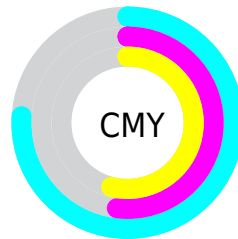


Cyan (50%)

Magenta (0%)

Yellow (5%)

Black (52%)



Cyan (76%)

Magenta (52%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2805, 16.4744, 19.3623 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 12.2805, 16.4744, 19.3623 by changing the saturation by 10% instead.

■ 12.2805, 16.4744,
19.3623

■ 12.2805, 16.4744,
19.3623

199.9857,
232.1250, 260.9307

■ 7.0086, 9.8605,
11.7529

■ 29.6174, 37.4198,
43.1902

■ 3.5138, 5.3065,
6.4552

■ 42.4131, 52.5202,
60.2458

■ 1.4310, 2.4282,
3.0505

■ 58.4474, 71.2180,
81.2873

■ 0.2781, 0.8404,
1.1205

■ 78.0857, 93.8979,
106.7331

■ 0.0000, 0.0000,
0.0000

■ 101.6933,
120.9441, 137.0018

129.6356,

152.7411, 172.5119

162.2780,
189.6733, 213.6820

■ 12.2805, 16.4744,
19.3623

■ 12.2805, 16.4744,
19.3623

■ 11.5243, 16.0931,
18.9582

■ 13.2133, 16.9474,
19.7802

■ 10.9311, 15.7954,
18.5662

■ 14.3319, 17.5157,
20.2112

■ 10.4882, 15.5750,
18.1860

■ 15.6469, 18.1851,
20.6562

■ 10.1799, 15.4239,
17.8168

■ 17.1675, 18.9604,
21.1158

■ 9.9560, 15.3163,
17.4563

■ 18.9023, 19.8460,
21.5902

■ 9.9470, 15.3119,
17.4417

■ 20.8595, 20.8462,
22.0799

■ 23.0468, 21.9649,
22.5853

■ 25.4716, 23.2058,
23.1068

■ 28.1408, 24.5728,
23.6446

Harmonies

Analogous

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



12.4920, 16.4744, 14.2009



12.2805, 16.4744, 19.3623



12.9136, 16.4744, 25.1743

Triad

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



12.2805, 16.4744, 19.3623



18.0149, 16.4744, 27.6783



17.1087, 16.4744, 9.8415

Complementary

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



12.2805, 16.4744, 19.3623



10.9350, 8.0741, 6.4517

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.



18.7669, 16.4744, 12.2408



12.2805, 16.4744, 19.3623



19.3192, 16.4744, 22.2787

Square

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



12.2805, 16.4744, 19.3623



16.1482, 16.4744, 30.5733



19.6051, 16.4744, 16.5850



15.1786, 16.4744, 9.3744

Rectangle

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



12.2805, 16.4744, 19.3623



13.7626, 16.4744, 28.4057



19.6051, 16.4744, 16.5850



17.7209, 16.4744, 10.4210

Sweetspot

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



12.2810, 16.4750, 19.3627



29.1227, 33.1265, 37.3331



10.3439, 15.7469, 7.0522



6.7496, 7.7461, 8.7589



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.



12.2810, 16.4750, 19.3627



20.4146, 28.7061, 33.8143



9.9864, 11.3029, 20.3949



4.0909, 4.5060, 5.0124



10.2887, 15.8391, 18.0369



48.9020, 75.4838, 85.1109

Inverse Universe

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



10.9350, 8.0741, 6.4517



17.7030, 11.7279, 7.7639



12.3983, 11.2790, 6.0815



4.0129, 4.0209, 4.2653



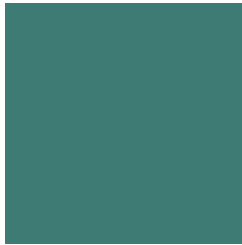
8.5183, 4.3835, 0.7544



40.4818, 20.8490, 2.8011

Previews

White Background



This preview shows how the XYZ color 12.2805, 16.4744, 19.3623 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 12.2805, 16.4744, 19.3623 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 12.2805, 16.4744, 19.3623

Background



This preview shows how black text looks on a background with the XYZ color 12.2805, 16.4744, 19.3623.



This preview shows how white text looks on a background with the XYZ color 12.2805, 16.4744,

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

12.2805, 16.4744, 19.3623

Protanopia

15.7336, 16.3809, 17.3715

Deuteranopia

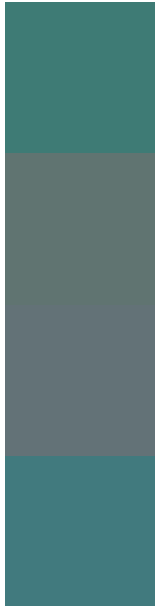
16.6045, 16.2864, 20.0377



Tritanopia

13.1809, 16.4717, 23.9574

Trichromacy



Original Color

12.2805, 16.4744, 19.3623

Protanomaly

14.0499, 16.1698, 18.0034

Deuteranomaly

14.4927, 16.0192, 19.7809

Tritanomaly

12.9054, 16.5492, 22.2528

Monochromacy



Original Color

12.2805, 16.4744, 19.3623

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.5646, 14.5969, 16.6232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2805, 16.4744, 19.3623 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(62, 123, 117)` looks like.

```
.text, #text, p{  
    color:rgb(62, 123, 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(62, 123, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 123, 117) }
```

Border

The CSS property to change the border of an element to XYZ 12.2805, 16.4744, 19.3623 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(62, 123, 117) }
```


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

```
.border{ border-color:rgb(62, 123, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 123, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 123, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 123, 117);  
box-shadow:4px 4px 4px 4px rgb(62, 123,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2805, 16.4744, 19.3623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 123, 117) }
```

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

```
.background{ background-color: rgb(62, 123,  
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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