

Converting Colors

XYZ(10.3886, 12.6258, 18.9424)

Have a look what the booklet for
XYZ(10.3886, 12.6258, 18.9424)
contains.

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Color

**XYZ(10.4107, 12.6402,
19.0306)**

Conversions

Conversions Part 1

Format	Color
Hex	3E6A76
RGB	62, 106, 118
RGB Percent	24%, 42%, 46%
CMY	0.7568, 0.5843, 0.5373
CMYK	0.47, 0.10, 0.00, 0.54
HSL	193°, 31%, 35%
HSV	193°, 47%, 46%
XYZ	10.4107, 12.6402, 19.0306
YIQ	94.2120, -30.0760, -5.5960

Conversions

Conversions Part 2

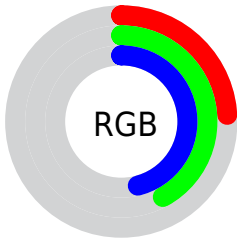
Format	Color
R_{YB}	62, 87, 118
Decimal	4090486
CIE _{Lab}	42.22, -11.70, -11.45
CIE _{LCh}	42, 16.370, 224.379
Yxy	12.6402, 0.2474, 0.3004
Android (android.graphics.Color)	4282280566 (0xFF3E6A76)
YUV	94.2120, 11.7275, -28.2499
Hunter-Lab	35.5531, -9.9492, -6.8492

Details

The XYZ color **10.4107, 12.6402, 19.0306** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.7898, 9.0973, 5.7452**, and the grayscale version is **10.6681, 11.2236, 12.2225**.

A 20% lighter version of the original color is **26.1227, 30.5269, 42.5457**, and **2.7446, 3.6088, 6.3463** is the 20% darker color. If you saturate the color by 10%, you get **9.4930, 11.7862, 18.9144**, and if you desaturate by 10%, it is **11.4977, 13.5934, 19.1575**.

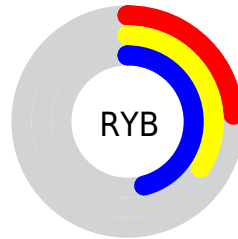
Distribution



Red (24%)

Green (42%)

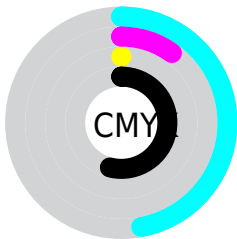
Blue (46%)



Red (24%)

Yellow (34%)

Blue (46%)

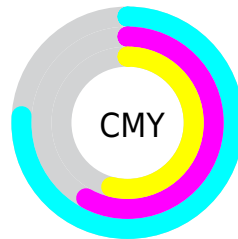


Cyan (47%)

Magenta (10%)

Yellow (0%)

Black (54%)



Cyan (76%)

Magenta (58%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4107, 12.6402, 19.0306 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 10.4107, 12.6402, 19.0306 by changing the saturation by 10% instead.

■ 10.4107, 12.6402,
19.0306

■ 10.4107, 12.6402,
19.0306

187.5717,
208.5987, 259.0460

■ 5.7364, 7.1813,
11.5154

■ 26.2079, 30.6559,
42.6232

■ 2.7246, 3.5757,
6.2961

■ 38.0616, 43.9814,
59.5376

■ 1.0099, 1.4392,
2.9543

■ 53.0391, 60.6978,
80.4222

■ 0.0000, 0.2453,
1.0713

■ 71.5058, 81.1897,
105.6954

■ 0.0000, 0.0000,
0.0000

■ 93.8270, 105.8413,
135.7759

■ 120.3682,

135.0371, 171.0821

151.4947,
169.1614, 212.0326

■ 10.4107, 12.6402,
19.0306

■ 10.4107, 12.6402,
19.0306

■ 9.4930, 11.7862,
18.9144

■ 11.4977, 13.5934,
19.1575

■ 8.7327, 11.0244,
18.8074

■ 12.7623, 14.6494,
19.2947

■ 8.1184, 10.3491,
18.7094

■ 14.2138, 15.8133,
19.4429

■ 7.6365, 9.7532,
18.6198

■ 15.8606, 17.0896,
19.6024

■ 7.2536, 9.2193,
18.5369

■ 17.7103, 18.4824,
19.7737

■ 7.1595, 9.0869,
18.5163

■ 19.7704, 19.9954,
19.9572

■ 22.0477, 21.6324,
20.1531

■ 24.5489, 23.3968,
20.3619

■ 27.2804, 25.2922,
20.5838

Harmonies

Analogous

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



9.8773, 12.6402, 15.5040



10.4107, 12.6402, 19.0306



11.3920, 12.6402, 21.3204

Triad

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



10.4107, 12.6402, 19.0306



14.4239, 12.6402, 15.6571



11.4396, 12.6402, 8.2162

Complementary

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



10.4107, 12.6402, 19.0306



10.7898, 9.0973, 5.7452

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.



12.6585, 12.6402, 8.2430



10.4107, 12.6402, 19.0306



14.4388, 12.6402, 12.1575

Square

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



10.4107, 12.6402, 19.0306



13.7349, 12.6402, 19.1589



13.7743, 12.6402, 9.5700



10.4435, 12.6402, 9.4892

Rectangle

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



10.4107, 12.6402, 19.0306



12.1946, 12.6402, 21.6286



13.7743, 12.6402, 9.5700



11.8355, 12.6402, 8.0813

Sweetspot

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



10.4111, 12.6407, 19.0309



25.8543, 28.4804, 34.2716



9.6747, 14.4650, 8.6208



5.8333, 6.4613, 7.8687



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



10.4111, 12.6407, 19.0309



16.5508, 20.5877, 33.2385



8.0387, 7.8958, 18.2401



3.7199, 4.0285, 4.6718



7.7363, 9.8123, 20.0288



37.0590, 46.5346, 97.3892

Inverse Universe

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



11.7957, 8.3379, 14.6238



19.3978, 12.3742, 24.0349



13.0142, 13.5460, 6.4867



3.7947, 3.7451, 4.4454



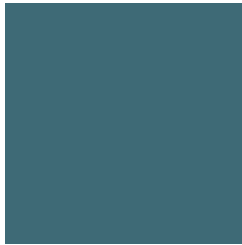
10.2021, 5.0145, 11.5382



49.3924, 24.3071, 54.5233

Previews

White Background



This preview shows how the XYZ color 10.4107, 12.6402, 19.0306 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 10.4107, 12.6402, 19.0306 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

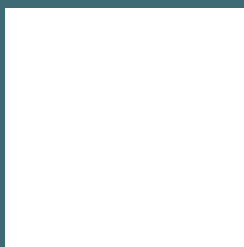
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.4107, 12.6402, 19.0306

Background



This preview shows how black text looks on a background with the XYZ color 10.4107, 12.6402, 19.0306.

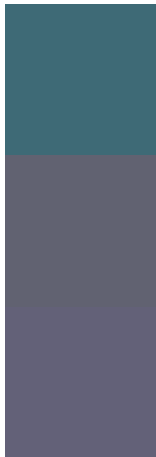


This preview shows how white text looks on a background with the XYZ color 10.4107, 12.6402,

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

10.4107, 12.6402, 19.0306

Protanopia

12.2781, 12.4690, 17.3824

Deuteranopia

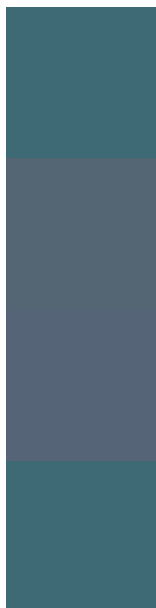
12.8104, 12.5581, 19.5181



Tritanopia

10.1730, 12.5380, 18.1036

Trichromacy



Original Color

10.4107, 12.6402, 19.0306

Protanomaly

11.4043, 12.4300, 18.0178

Deuteranomaly

11.7247, 12.4247, 19.2330

Tritanomaly

10.2309, 12.5611, 18.4083

Monochromacy



Original Color

10.4107, 12.6402, 19.0306

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.2955, 11.5085, 14.5107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4107, 12.6402, 19.0306 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, 106, 118)` looks like.

```
.text, #text, p{  
    color:rgb(62, 106, 118)  
}
```

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, 106, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 106, 118) }
```

Border

The CSS property to change the border of an element to XYZ 10.4107, 12.6402, 19.0306 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, 106, 118) }
```


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

```
.border{ border-color:rgb(62, 106, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 106, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 106, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 106, 118);  
box-shadow:4px 4px 4px 4px rgb(62, 106,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4107, 12.6402, 19.0306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 106, 118) }
```

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

```
.background{ background-color: rgb(62, 106,  
118) }
```

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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