

Converting Colors

XYZ(9.6283, 12.4041, 18.4096)

Have a look what the booklet for
XYZ(9.6283, 12.4041, 18.4096)
contains.

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Color

**XYZ(9.6290, 12.4047,
18.4098)**

Conversions

Conversions Part 1

Format	Color
Hex	306B74
RGB	48, 107, 116
RGB Percent	19%, 42%, 45%
CMY	0.8118, 0.5804, 0.5451
CMYK	0.59, 0.08, 0.00, 0.55
HSL	188°, 41%, 32%
HSV	188°, 59%, 45%
XYZ	9.6290, 12.4047, 18.4098
YIQ	90.3850, -38.0530, -9.7090

Conversions

Conversions Part 2

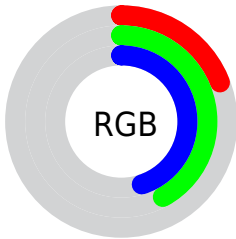
Format	Color
RYB	48, 80, 116
Decimal	3173236
CIELab	41.85, -16.28, -10.85
CIELCh	42, 19.560, 213.682
Yxy	12.4047, 0.2381, 0.3067
Android (android.graphics.Color)	4281363316 (0xFF306B74)
YUV	90.3850, 12.6282, -37.1716
Hunter-Lab	35.2203, -12.8348, -6.3369

Details

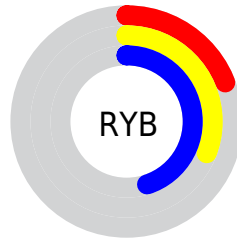
The XYZ color **9.6290, 12.4047, 18.4098** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.1994, 6.8530, 3.6346**, and the grayscale version is **9.7837, 10.2932, 11.2093**.

A 20% lighter version of the original color is **24.8328, 30.3901, 41.6028**, and **2.6074, 3.5453, 6.0157** is the 20% darker color. If you saturate the color by 10%, you get **8.9934, 11.8418, 18.3349**, and if you desaturate by 10%, it is **10.4114, 13.0480, 18.4930**.

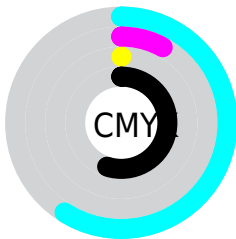
Distribution



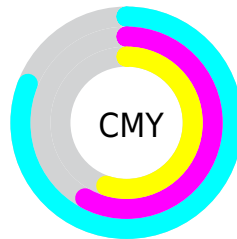
- Red (19%)
- Green (42%)
- Blue (45%)



- Red (19%)
- Yellow (31%)
- Blue (45%)



- Cyan (59%)
- Magenta (8%)
- Yellow (0%)
- Black (55%)



- Cyan (81%)
- Magenta (58%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.6290, 12.4047, 18.4098 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 9.6290, 12.4047, 18.4098 by changing the saturation by 10% instead.

9.6290, 12.4047,
18.4098

9.6290, 12.4047,
18.4098

182.1128,
207.0664, 255.4841

5.2140, 7.0199,
11.0721

24.7514, 30.2301,
41.5577

2.4094, 3.4746,
6.0006

36.1895, 43.4395,
58.2050

0.8498, 1.3842,
2.7766

50.6994, 60.0258,
78.7926

0.0000, 0.2051,
0.9817

68.6464, 80.3736,
103.7391

0.0000, 0.0000,
0.0000

90.3959, 104.8671,
133.4629

116.3132,

133.8909, 168.3827

146.7638,
167.8291, 208.9169

■ 9.6290, 12.4047,
18.4098

■ 9.6290, 12.4047,
18.4098

■ 8.9934, 11.8418,
18.3349

■ 10.4114, 13.0480,
18.4930

■ 8.4919, 11.3519,
18.2668

■ 11.3496, 13.7757,
18.5840

■ 8.1118, 10.9289,
18.2051

■ 12.4533, 14.5929,
18.6835

■ 7.8127, 10.5517,
18.1481

■ 13.7311, 15.5041,
18.7921

■ 7.7721, 10.5002,
18.1403

■ 15.1908, 16.5135,
18.9100

■ 16.8399, 17.6248,
19.0375

■ 18.6855, 18.8417,
19.1752

■ 20.7342, 20.1677,
19.3231

■ 22.9924, 21.6061,
19.4817

Harmonies

Analogous

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



9.2326, 12.4047, 14.0233



9.6290, 12.4047, 18.4098



10.6025, 12.4047, 21.9540

Triad

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



9.6290, 12.4047, 18.4098



14.4561, 12.4047, 17.3446



11.6130, 12.4047, 7.0277

Complementary

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



9.6290, 12.4047, 18.4098



9.1994, 6.8530, 3.6346

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.



13.0636, 12.4047, 7.5629



9.6290, 12.4047, 18.4098



14.7814, 12.4047, 13.0028

Square

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



9.6290, 12.4047, 18.4098



13.3969, 12.4047, 21.2562



14.2530, 12.4047, 9.5619



10.3176, 12.4047, 7.9149

Rectangle

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



9.6290, 12.4047, 18.4098



11.4876, 12.4047, 23.0435



14.2530, 12.4047, 9.5619



12.0983, 12.4047, 7.0483

Sweetspot

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



9.6294, 12.4052, 18.4101



24.1755, 27.2805, 33.0360



8.1768, 13.4043, 5.8896



5.6326, 6.4132, 7.8700



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.



9.6294, 12.4052, 18.4101



15.5060, 20.5304, 32.1900



6.8249, 6.7962, 17.4753



3.7440, 4.0766, 4.6798



8.7125, 11.7647, 20.3542



42.0080, 56.4326, 99.0388

Inverse Universe

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



10.9136, 6.8888, 14.6648



18.0846, 10.2061, 24.5007



11.3868, 11.2279, 4.3638



3.8068, 3.7500, 4.5094



10.6948, 5.2116, 14.1328



51.8904, 25.3063, 67.6776

Previews

White Background



This preview shows how the XYZ color 9.6290, 12.4047, 18.4098 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 9.6290, 12.4047, 18.4098 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 9.6290, 12.4047, 18.4098

Background



This preview shows how black text looks on a background with the XYZ color 9.6290, 12.4047, 18.4098.



This preview shows how white text looks on a background with the XYZ color 9.6290, 12.4047,

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

9.6290, 12.4047, 18.4098

Protanopia

12.1119, 12.4025, 16.5074

Deuteranopia

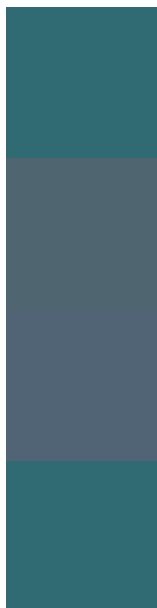
12.4899, 12.2704, 18.8497



Tritanopia

9.6290, 12.4047, 18.4098

Trichromacy



Original Color

9.6290, 12.4047, 18.4098

Protanomaly

10.8028, 12.1395, 17.1030

Deuteranomaly

11.0763, 12.1042, 18.5822

Tritanomaly

9.6290, 12.4047, 18.4098

Monochromacy



Original Color

9.6290, 12.4047, 18.4098

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.3367, 10.7625, 13.3896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.6290, 12.4047, 18.4098 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(48, 107, 116)` looks like.

```
.text, #text, p{  
    color:rgb(48, 107, 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(48, 107, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 107, 116) }
```

Border

The CSS property to change the border of an element to XYZ 9.6290, 12.4047, 18.4098 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(48, 107, 116) }
```


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

```
.border{ border-color:rgb(48, 107, 116) }
```

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

Here you see how a box with a 4 pixel rgb(48, 107, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 107, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 107, 116);  
box-shadow:4px 4px 4px 4px rgb(48, 107,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 9.6290, 12.4047, 18.4098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 107, 116) }
```

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

```
.background{ background-color: rgb(48, 107,  
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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