

Converting Colors

XYZ(24.3947, 19.0118, 30.4009)

Have a look what the booklet for
XYZ(24.3947, 19.0118, 30.4009)
contains.

XYZ(24.3947, 19.0118, 30.4009)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.3947, 19.0118,
30.4009)**

Conversions

Conversions Part 1

Format	Color
Hex	9F6694
RGB	159, 102, 148
RGB Percent	62%, 40%, 58%
CMY	0.3765, 0.6000, 0.4196
CMYK	0.00, 0.36, 0.07, 0.38
HSL	312°, 23%, 51%
HSV	312°, 36%, 62%
XYZ	24.3947, 19.0118, 30.4009
YIQ	124.2870, 19.2060, 26.3900

Conversions

Conversions Part 2

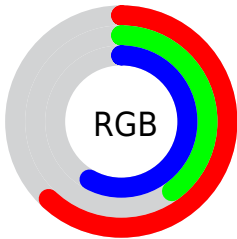
Format	Color
R _Y B	159, 102, 148
Decimal	10446484
CIE _{Lab}	50.70, 30.25, -15.72
CIE _{LCh}	51, 34.088, 332.543
Yxy	19.0118, 0.3305, 0.2576
Android (android.graphics.Color)	4288636564 (0xFF9F6694)
YUV	124.2870, 11.6905, 30.4433
Hunter-Lab	43.6025, 23.5626, -10.8169

Details

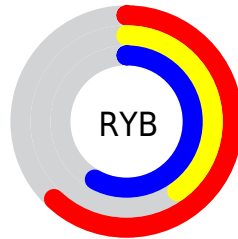
The XYZ color **24.3947, 19.0118, 30.4009** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.8590, 28.8138, 20.0862**, and the grayscale version is **19.2121, 20.2127, 22.0116**.

A 20% lighter version of the original color is **50.2406, 41.8225, 61.3017**, and **9.3746, 6.4734, 12.0647** is the 20% darker color. If you saturate the color by 10%, you get **22.7399, 16.0854, 28.6669**, and if you desaturate by 10%, it is **26.3569, 22.5419, 32.2695**.

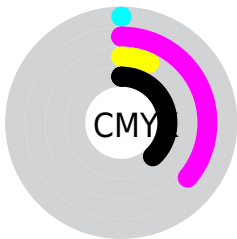
Distribution



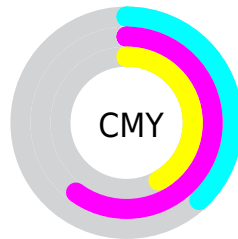
- Red (62%)
- Green (40%)
- Blue (58%)



- Red (62%)
- Yellow (40%)
- Blue (58%)



- Cyan (0%)
- Magenta (36%)
- Yellow (7%)
- Black (38%)



- Cyan (38%)
- Magenta (60%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3947, 19.0118, 30.4009 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 24.3947, 19.0118, 30.4009 by changing the saturation by 10% instead.

■ 24.3947, 19.0118,
30.4009

■ 24.3947, 19.0118,
30.4009

267.2135,
246.5139, 318.0340

■ 15.7530, 11.6788,
19.8885

■ 50.1235, 41.7540,
61.3641

■ 9.4393, 6.5254,
12.1307

■ 67.9414, 57.9321,
82.6519

■ 5.0882, 3.1671,
6.7091

■ 89.5486, 77.8272,
108.3686

■ 2.3344, 1.2196,
3.2052

■ 115.3106,
101.8239, 138.9327

■ 0.8122, 0.0776,
1.2003

145.5928,
130.3066, 174.7627

■ 0.0000, 0.0000,
0.0000

180.7604,

163.6595, 216.2773

221.1789,
202.2671, 263.8948

■ 24.3947, 19.0118,
30.4009

■ 24.3947, 19.0118,
30.4009

■ 22.7399, 16.0854,
28.6669

■ 26.3569, 22.5419,
32.2695

■ 21.3734, 13.7258,
27.0603

■ 28.6404, 26.7048,
34.2771

■ 20.2768, 11.8958,
25.5750

■ 31.2608, 31.5308,
36.4292

■ 19.4288, 10.5530,
24.2037

■ 34.2318, 37.0474,
38.7306

■ 18.8048, 9.6483,
22.9377

■ 37.5665, 43.2809,
41.1860

■ 18.3716, 9.1150,
21.7659

■ 41.2772, 50.2557,
43.7997

■ 18.2152, 8.9378,
21.2960

■ 45.3757, 57.9954,
46.5758

■ 49.8734, 66.5225,
49.5184

■ 54.7809, 75.8585,
52.6312

Harmonies

Analogous

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



21.7529, 19.0118, 40.4184



24.3947, 19.0118, 30.4009



25.2819, 19.0118, 19.8945

Triad

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



24.3947, 19.0118, 30.4009



17.7864, 19.0118, 7.2190



13.1754, 19.0118, 32.2656

Complementary

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



24.3947, 19.0118, 30.4009



20.8590, 28.8138, 20.0862

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.



12.3796, 19.0118, 21.5282



24.3947, 19.0118, 30.4009



14.8284, 19.0118, 8.7376

Square

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



24.3947, 19.0118, 30.4009



21.1987, 19.0118, 8.2860



12.9457, 19.0118, 13.3203



15.2656, 19.0118, 41.7079

Rectangle

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



24.3947, 19.0118, 30.4009



24.6803, 19.0118, 14.4151



12.9457, 19.0118, 13.3203



12.7601, 19.0118, 28.5901

Sweetspot

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



24.3953, 19.0127, 30.4013



53.3919, 51.6830, 63.1414



17.7498, 15.4813, 34.8538



11.9052, 11.4090, 14.1261



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



24.3953, 19.0127, 30.4013



41.2835, 29.7868, 51.9509



22.4433, 18.2319, 20.1224



6.8492, 6.7326, 8.0572



14.4015, 7.0652, 16.8971



0.2704, 0.1315, 0.3702

Inverse Universe

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



24.3953, 19.0127, 30.4013



41.2835, 29.7868, 51.9509



22.6823, 29.5431, 29.6873



6.8492, 6.7326, 8.0572



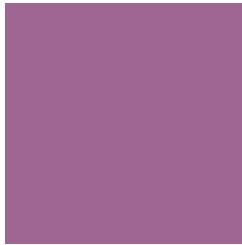
14.4015, 7.0652, 16.8971



0.2704, 0.1315, 0.3702

Previews

White Background



This preview shows how the XYZ color 24.3947, 19.0118, 30.4009 looks on a white background.

Color Contrast Check

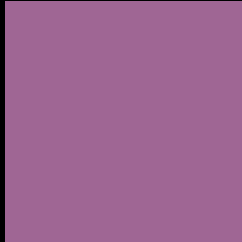
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.3947, 19.0118, 30.4009 looks on a black 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

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

XYZ 24.3947, 19.0118, 30.4009

Background



This preview shows how black text looks on a background with the XYZ color 24.3947, 19.0118, 30.4009.



This preview shows how white text looks on a background with the XYZ color 24.3947, 19.0118,

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

24.3947, 19.0118, 30.4009

Protanopia

19.5799, 19.3211, 36.4156

Deuteranopia

19.4744, 19.0661, 29.4418



Tritanopia

22.0325, 18.9546, 19.0204

Trichromacy



Original Color

24.3947, 19.0118, 30.4009

Protanomaly

20.8080, 18.7997, 33.9845

Deuteranomaly

20.9742, 18.8146, 29.7202

Tritanomaly

22.7606, 18.9345, 22.8772

Monochromacy



Original Color

24.3947, 19.0118, 30.4009

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

20.7956, 19.5026, 24.8586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3947, 19.0118, 30.4009 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(159, 102, 148)` looks like.

```
.text, #text, p{  
    color:rgb(159, 102, 148)  
}
```

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(159, 102, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 102, 148) }
```

Border

The CSS property to change the border of an element to XYZ 24.3947, 19.0118, 30.4009 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(159, 102, 148) }
```


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

```
.border{ border-color:rgb(159, 102, 148) }
```

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

Here you see how a box with a 4 pixel rgb(159, 102, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 102, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 102, 148);  
box-shadow:4px 4px 4px 4px rgb(159, 102,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3947, 19.0118, 30.4009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 102, 148) }
```

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

```
.background{ background-color: rgb(159,  
102, 148) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor