

Converting Colors

XYZ(16.4236, 11.8200, 11.8349)

Have a look what the booklet for
XYZ(16.4236, 11.8200, 11.8349)
contains.

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Color

**XYZ(16.3909, 11.7584,
11.7616)**

Conversions

Conversions Part 1

Format	Color
Hex	93495D
RGB	147, 73, 93
RGB Percent	58%, 29%, 36%
CMY	0.4235, 0.7137, 0.6353
CMYK	0.00, 0.50, 0.37, 0.42
HSL	344°, 34%, 43%
HSV	344°, 50%, 58%
XYZ	16.3909, 11.7584, 11.7616
YIQ	97.4060, 37.6840, 21.9080

Conversions

Conversions Part 2

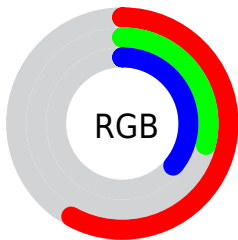
Format	Color
R_{YB}	147, 73, 93
Decimal	9652573
CIE _{Lab}	40.83, 33.35, 2.73
CIE _{LCh}	41, 33.464, 4.683
Yxy	11.7584, 0.4107, 0.2946
Android (android.graphics.Color)	4287842653 (0xFF93495D)
YUV	97.4060, -2.1722, 43.4939
Hunter-Lab	34.2905, 25.3147, 3.6670

Details

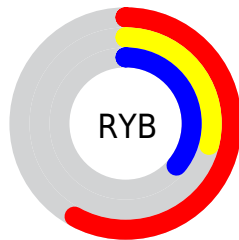
The XYZ color **16.3909, 11.7584, 11.7616** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **17.0127, 23.8164, 23.7803**, and the grayscale version is **11.4612, 12.0581, 13.1313**.

A 20% lighter version of the original color is **36.7942, 29.0950, 29.6632**, and **5.3539, 3.1857, 3.0220** is the 20% darker color. If you saturate the color by 10%, you get **15.0944, 9.8733, 9.1474**, and if you desaturate by 10%, it is **17.9830, 14.1280, 14.8035**.

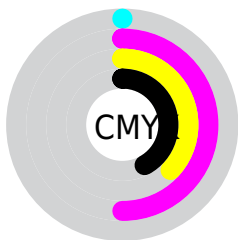
Distribution



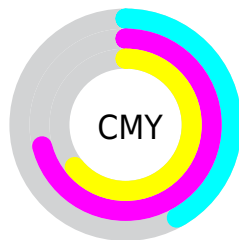
- Red (58%)
- Green (29%)
- Blue (36%)



- Red (58%)
- Yellow (29%)
- Blue (36%)



- Cyan (0%)
- Magenta (50%)
- Yellow (37%)
- Black (42%)





- Cyan (42%)
- Magenta (71%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3909, 11.7584, 11.7616 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 16.3909, 11.7584, 11.7616 by changing the saturation by 10% instead.


 16.3909, 11.7584,
11.7616


 16.3909, 11.7584,
11.7616


224.8627,
202.7992, 213.7422


 9.8938, 6.5794,
6.4610


 36.8275, 29.0543,
29.7180


 5.3903, 3.2005,
3.0541

 51.4977, 41.9400,
43.2109


 2.5151, 1.2373,
1.1223

 69.6230, 58.1634,
60.2717

 0.9029, 0.0918,
0.0000

 91.5686, 78.1088,
81.3189

 0.0000, 0.0000,
0.0000

 117.7001,
102.1607, 106.7709

148.3827,

130.7035, 137.0465

183.9818,
164.1215, 172.5640

■ 16.3909, 11.7584,
11.7616

■ 16.3909, 11.7584,
11.7616

■ 15.0944, 9.8733,
9.1474

■ 17.9830, 14.1280,
14.8035

■ 14.0735, 8.4370,
6.9402

■ 19.8871, 17.0107,
18.2911

■ 13.3070, 7.4120,
5.1185

■ 22.1194, 20.4353,
22.2420

■ 12.7701, 6.7537,
3.6584

■ 24.6949, 24.4275,
26.6727

■ 12.4109, 6.3544,
2.5554

■ 27.6275, 29.0118,
31.5988

■ 30.9302, 34.2110,
37.0354

■ 34.6157, 40.0467,
42.9967

■ 38.6957, 46.5396,
49.4964

■ 43.1817, 53.7093,
56.5478

Harmonies

Analogous

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



15.8488, 11.7584, 19.2717



16.3909, 11.7584, 11.7616



15.3815, 11.7584, 6.6951

Triad

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



16.3909, 11.7584, 11.7616



8.7670, 11.7584, 4.7618



9.3295, 11.7584, 28.6985

Complementary

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



16.3909, 11.7584, 11.7616



17.0127, 23.8164, 23.7803

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.



7.8168, 11.7584, 21.8120



16.3909, 11.7584, 11.7616



7.5258, 11.7584, 7.9727

Square

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



16.3909, 11.7584, 11.7616



10.8062, 11.7584, 3.6742



7.2043, 11.7584, 13.9039



11.5541, 11.7584, 30.8324

Rectangle

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



16.3909, 11.7584, 11.7616



14.0386, 11.7584, 4.8050



7.2043, 11.7584, 13.9039



8.7317, 11.7584, 26.7666

Sweetspot

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



16.3912, 11.7590, 11.7618



41.8540, 40.0623, 43.7134



16.2585, 11.3105, 28.9299



9.3552, 8.8369, 9.6354



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.3912, 11.7590, 11.7618



26.8485, 17.4192, 15.9980



16.8108, 13.8350, 8.0885



5.8614, 5.8396, 6.3760



10.7689, 5.5126, 2.2642



0.1428, 0.0719, 0.0855

Inverse Universe

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



16.3912, 11.7590, 11.7618



26.8485, 17.4192, 15.9980



16.1264, 19.7471, 30.5653



5.8614, 5.8396, 6.3760



10.7689, 5.5126, 2.2642



0.1428, 0.0719, 0.0855

Previews

White Background



This preview shows how the XYZ color 16.3909, 11.7584, 11.7616 looks on a white background.

Color Contrast Check

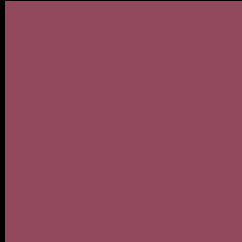
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3909, 11.7584, 11.7616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

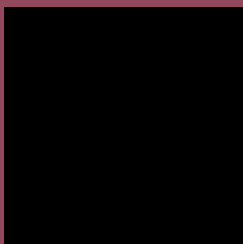
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3909, 11.7584, 11.7616

Background



This preview shows how black text looks on a background with the XYZ color 16.3909, 11.7584, 11.7616.



This preview shows how white text looks on a background with the XYZ color 16.3909, 11.7584,

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

16.3909, 11.7584, 11.7616

Protanopia

11.6083, 11.8931, 15.3195

Deuteranopia

12.0665, 11.8181, 11.3180



Tritanopia

15.8553, 11.7372, 9.2144

Trichromacy



Original Color

16.3909, 11.7584, 11.7616

Protanomaly

12.9089, 11.5639, 13.8636

Deuteranomaly

13.3845, 11.6219, 11.4353

Tritanomaly

15.9425, 11.6644, 10.0055

Monochromacy



Original Color

16.3909, 11.7584, 11.7616

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.6713, 11.4688, 12.6122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3909, 11.7584, 11.7616 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(147, 73, 93)` looks like.

```
.text, #text, p{  
    color:rgb(147, 73, 93)  
}
```

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(147, 73, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 73, 93) }
```

Border

The CSS property to change the border of an element to XYZ 16.3909, 11.7584, 11.7616 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(147, 73, 93) }
```


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

```
.border{ border-color:rgb(147, 73, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 73, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 73, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 73, 93);  
box-shadow:4px 4px 4px 4px rgb(147, 73,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3909, 11.7584, 11.7616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 73, 93) }
```

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

```
.background{ background-color: rgb(147, 73,  
93) }
```

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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