

Converting Colors

XYZ(17.0208, 12.4038, 32.3647)

Have a look what the booklet for
XYZ(17.0208, 12.4038, 32.3647)
contains.

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Color

**XYZ(16.9534, 12.3148,
32.4938)**

Conversions

Conversions Part 1

Format	Color
Hex	7B509B
RGB	123, 80, 155
RGB Percent	48%, 31%, 61%
CMY	0.5176, 0.6863, 0.3922
CMYK	0.21, 0.48, 0.00, 0.39
HSL	274°, 32%, 46%
HSV	274°, 48%, 61%
XYZ	16.9534, 12.3148, 32.4938
YIQ	101.4070, 1.5530, 32.4410

Conversions

Conversions Part 2

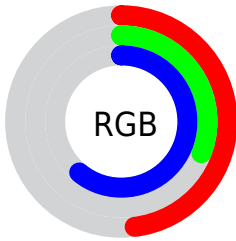
Format	Color
R_{YB}	123, 80, 155
Decimal	8081563
CIE _{Lab}	41.71, 32.70, -34.15
CIE _{LCh}	42, 47.278, 313.755
Yxy	12.3148, 0.2745, 0.1994
Android (android.graphics.Color)	4286271643 (0xFF7B509B)
YUV	101.4070, 26.4213, 18.9371
Hunter-Lab	35.0924, 24.8228, -30.3348

Details

The XYZ color **16.9534, 12.3148, 32.4938** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.8517, 27.4669, 11.8452**, and the grayscale version is **12.4087, 13.0549, 14.2168**.

A 20% lighter version of the original color is **37.7470, 29.9655, 64.7672**, and **5.6645, 3.4447, 13.1983** is the 20% darker color. If you saturate the color by 10%, you get **15.0325, 9.8299, 32.1156**, and if you desaturate by 10%, it is **19.2010, 15.3572, 32.9628**.

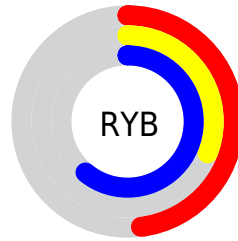
Distribution



Red (48%)

Green (31%)

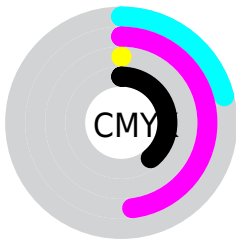
Blue (61%)



Red (48%)

Yellow (31%)

Blue (61%)

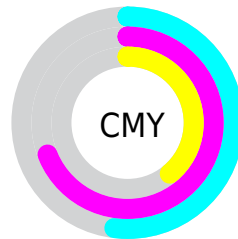


Cyan (21%)

Magenta (48%)

Yellow (0%)

Black (39%)



Cyan (52%)

Magenta (69%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9534, 12.3148, 32.4938 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 16.9534, 12.3148, 32.4938 by changing the saturation by 10% instead.

■ 16.9534, 12.3148,
32.4938

■ 16.9534, 12.3148,
32.4938

228.0652,
206.4784, 327.9243

■ 10.2964, 6.9584,
21.4710

■ 37.7899, 30.0672,
64.6913

■ 5.6597, 3.4361,
13.2741

■ 52.7000, 43.2320,
86.7031

■ 2.6779, 1.3634,
7.4847

■ 71.0919, 59.7684,
113.2149

■ 0.9858, 0.1895,
3.6840

■ 93.3309, 80.0608,
144.6454

■ 0.0000, 0.0000,
1.4536

■ 119.7824,
104.4936, 181.4131

■ 0.0000, 0.0000,
0.1830

150.8117,

■ 0.0000, 0.0000,

133.4512, 223.9364

0.0000

186.7842,
167.3180, 272.6340

■ 16.9534, 12.3148,
32.4938

■ 16.9534, 12.3148,
32.4938

■ 15.0325, 9.8299,
32.1156

■ 19.2010, 15.3572,
32.9628

■ 13.4173, 7.8640,
31.8213

■ 21.7916, 18.9893,
33.5273

■ 12.0864, 6.3755,
31.6041

■ 24.7420, 23.2426,
34.1928

■ 11.0146, 5.3159,
31.4561

■ 28.0674, 28.1457,
34.9639

■ 10.1537, 4.5913,
31.3616

■ 31.7821, 33.7256,
35.8452

■ 10.0236, 4.4839,
31.3477

■ 35.8996, 40.0076,
36.8407

■ 40.4327, 47.0158,
37.9545

■ 45.3936, 54.7729,
39.1903

■ 50.7940, 63.3010,
40.5517

Harmonies

Analogous

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



13.3644, 12.3148, 41.8592



16.9534, 12.3148, 32.4938



19.3523, 12.3148, 19.4976

Triad

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



16.9534, 12.3148, 32.4938



13.6728, 12.3148, 2.1567



6.3456, 12.3148, 18.4860

Complementary

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



16.9534, 12.3148, 32.4938



19.8517, 27.4669, 11.8452

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.



6.3956, 12.3148, 8.7412



16.9534, 12.3148, 32.4938



10.1887, 12.3148, 2.0938

Square

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



16.9534, 12.3148, 32.4938



17.2172, 12.3148, 4.0583



7.6695, 12.3148, 3.7993



7.5159, 12.3148, 31.4458

Rectangle

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



16.9534, 12.3148, 32.4938



19.7069, 12.3148, 12.1955



7.6695, 12.3148, 3.7993



6.2286, 12.3148, 14.6998

Sweetspot

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



16.9539, 12.3153, 32.4941



46.0791, 44.2143, 61.6419



15.0746, 15.7715, 33.2602



10.1739, 9.6327, 13.8934



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.9539, 12.3153, 32.4941



26.6873, 17.3106, 57.4710



21.8916, 14.9083, 30.5782



6.2064, 6.1923, 7.7971



8.0951, 3.6242, 25.1806



0.1625, 0.0756, 0.3784

Inverse Universe

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



19.3112, 13.8761, 16.9901



31.7616, 20.6497, 25.0348



16.6697, 25.8043, 12.6969



6.3127, 6.2642, 7.0268



11.6688, 5.9217, 4.7807



0.1921, 0.0956, 0.1645

Previews

White Background



This preview shows how the XYZ color 16.9534, 12.3148, 32.4938 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 16.9534, 12.3148, 32.4938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

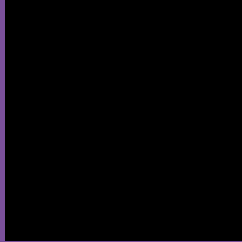
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.9534, 12.3148, 32.4938

Background



This preview shows how black text looks on a background with the XYZ color 16.9534, 12.3148, 32.4938.



This preview shows how white text looks on a background with the XYZ color 16.9534, 12.3148,

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

16.9534, 12.3148, 32.4938

Protanopia

13.6853, 12.4263, 39.7074

Deuteranopia

12.7013, 12.3862, 30.9995



Tritanopia

13.1540, 12.3262, 13.7425

Trichromacy



Original Color

16.9534, 12.3148, 32.4938

Protanomaly

14.3782, 12.0552, 37.1664

Deuteranomaly

13.7230, 11.9733, 31.2936

Tritanomaly

14.2160, 12.1174, 19.3589

Monochromacy



Original Color

16.9534, 12.3148, 32.4938

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.6722, 12.4604, 19.7737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9534, 12.3148, 32.4938 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(123, 80, 155)` looks like.

```
.text, #text, p{  
    color:rgb(123, 80, 155)  
}
```

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(123, 80, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 80, 155) }
```

Border

The CSS property to change the border of an element to XYZ 16.9534, 12.3148, 32.4938 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(123, 80, 155) }
```


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

```
.border{ border-color:rgb(123, 80, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 80, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 80, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 80, 155);  
box-shadow:4px 4px 4px 4px rgb(123, 80,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9534, 12.3148, 32.4938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 80, 155) }
```

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

```
.background{ background-color: rgb(123, 80,  
155) }
```

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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