

Converting Colors

XYZ(19.1144, 16.3881, 37.1155)

Have a look what the booklet for
XYZ(19.1144, 16.3881, 37.1155)
contains.

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Color

**XYZ(19.1224, 16.4325,
37.2859)**

Conversions

Conversions Part 1

Format	Color
Hex	7668A4
RGB	118, 104, 164
RGB Percent	46%, 41%, 64%
CMY	0.5372, 0.5921, 0.3569
CMYK	0.28, 0.37, 0.00, 0.36
HSL	254°, 25%, 53%
HSV	254°, 37%, 64%
XYZ	19.1224, 16.4325, 37.2859
YIQ	115.0260, -10.9160, 21.6280

Conversions

Conversions Part 2

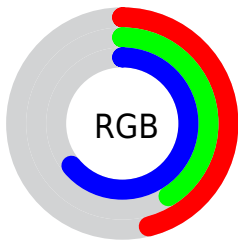
Format	Color
R_{YB}	118, 104, 164
Decimal	7760036
CIE _{Lab}	47.54, 19.11, -30.38
CIE _{LCh}	48, 35.891, 302.179
Yxy	16.4325, 0.2625, 0.2256
Android (android.graphics.Color)	4285950116 (0xFF7668A4)
YUV	115.0260, 24.1442, 2.6082
Hunter-Lab	40.5370, 13.2635, -26.1590

Details

The XYZ color **19.1224, 16.4325, 37.2859** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.3521, 34.0347, 18.1723**, and the grayscale version is **16.2355, 17.0811, 18.6013**.

A 20% lighter version of the original color is **41.3021, 37.2151, 72.0242**, and **6.7717, 5.3251, 16.0002** is the 20% darker color. If you saturate the color by 10%, you get **16.0343, 12.6240, 36.7138**, and if you desaturate by 10%, it is **22.7603, 21.0017, 37.9764**.

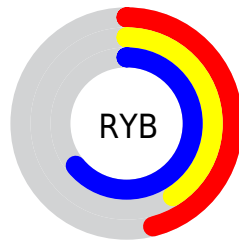
Distribution



Red (46%)

Green (41%)

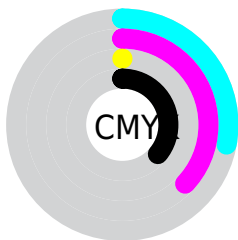
Blue (64%)



Red (46%)

Yellow (41%)

Blue (64%)

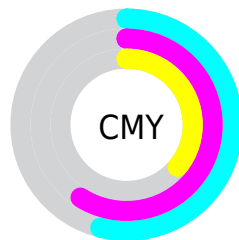


Cyan (28%)

Magenta (37%)

Yellow (0%)

Black (36%)



Cyan (54%)

Magenta (59%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1224, 16.4325, 37.2859 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 19.1224, 16.4325, 37.2859 by changing the saturation by 10% instead.

■ 19.1224, 16.4325,
37.2859

■ 19.1224, 16.4325,
37.2859

240.0488,
231.8805, 349.7526

■ 11.8633, 9.8307,
25.1314

■ 41.4561, 37.3474,
72.2035

■ 6.7222, 5.2869,
15.9551

■ 57.2614, 52.4294,
95.8037

■ 3.3338, 2.4165,
9.3384

■ 76.6461, 71.1068,
124.0562

■ 1.3326, 0.8344,
4.8627

■ 99.9757, 93.7642,
157.3796

■ 0.2074, 0.0000,
2.1096

127.6153,
120.7858, 196.1924

■ 0.0000, 0.0000,
0.6215

159.9305,

■ 0.0000, 0.0000,

152.5561, 240.9131

0.0000

197.2865,
189.4596, 291.9603

■ 19.1224, 16.4325,
37.2859

■ 19.1224, 16.4325,
37.2859

■ 16.0343, 12.6240,
36.7138

■ 22.7603, 21.0017,
37.9764

■ 13.4667, 9.5322,
36.2524

■ 26.9720, 26.3684,
38.7903

■ 11.3899, 7.1118,
35.8947

■ 31.7818, 32.5693,
39.7337

■ 9.7706, 5.3110,
35.6324

■ 37.2126, 39.6382,
40.8119

■ 8.5709, 4.0703,
35.4562

■ 43.2855, 47.6070,
42.0299

■ 7.7398, 3.3062,
35.3525

■ 50.0211, 56.5061,
43.3926

■ 7.5102, 3.0976,
35.3243

■ 57.4386, 66.3643,
44.9045

■ 65.5569, 77.2093,
46.5699

■ 74.3937, 89.0676,
48.3931

Harmonies

Analogous

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



15.8532, 16.4325, 41.8468



19.1224, 16.4325, 37.2859



21.7031, 16.4325, 27.4188

Triad

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



19.1224, 16.4325, 37.2859



18.6633, 16.4325, 6.4103



10.2510, 16.4325, 18.5692

Complementary

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



19.1224, 16.4325, 37.2859



28.3521, 34.0347, 18.1723

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.



10.7930, 16.4325, 10.8756



19.1224, 16.4325, 37.2859



15.3863, 16.4325, 5.4444

Square

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



19.1224, 16.4325, 37.2859



21.4137, 16.4325, 10.0656



12.5713, 16.4325, 6.7536



10.9765, 16.4325, 28.9872

Rectangle

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



19.1224, 16.4325, 37.2859



22.5260, 16.4325, 20.3936



12.5713, 16.4325, 6.7536



10.2908, 16.4325, 15.6042

Sweetspot

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



19.1230, 16.4331, 37.2863



53.5155, 53.7232, 71.3014



23.3166, 27.4365, 39.1891



11.4578, 11.4334, 15.5405



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.1230, 16.4331, 37.2863



30.0197, 24.0325, 66.8089



23.8644, 18.8774, 37.5082



6.8480, 6.9360, 8.8809



5.7948, 2.3938, 27.0864



0.1601, 0.0701, 0.5709

Inverse Universe

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



25.7655, 19.9956, 31.3558



44.0381, 31.5626, 53.7610



23.5203, 31.5439, 17.9462



7.2933, 7.1738, 8.5309



14.6320, 7.2089, 15.7845



0.3238, 0.1580, 0.4178

Previews

White Background



This preview shows how the XYZ color 19.1224, 16.4325, 37.2859 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 19.1224, 16.4325, 37.2859 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 19.1224, 16.4325, 37.2859

Background



This preview shows how black text looks on a background with the XYZ color 19.1224, 16.4325, 37.2859.

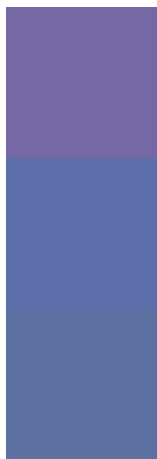


This preview shows how white text looks on a background with the XYZ color 19.1224, 16.4325,

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

19.1224, 16.4325, 37.2859

Protanopia

17.3538, 16.5465, 40.3094

Deuteranopia

16.8300, 16.5241, 36.4849



Tritanopia

15.8484, 16.5304, 20.7677

Trichromacy



Original Color

19.1224, 16.4325, 37.2859

Protanomaly

17.7973, 16.3190, 39.2576

Deuteranomaly

17.5590, 16.4064, 36.8916

Tritanomaly

16.9013, 16.4687, 25.9549

Monochromacy



Original Color

19.1224, 16.4325, 37.2859

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.1205, 16.7753, 24.5259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1224, 16.4325, 37.2859 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(118, 104, 164)` looks like.

```
.text, #text, p{  
    color:rgb(118, 104, 164)  
}
```

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(118, 104, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 104, 164) }
```

Border

The CSS property to change the border of an element to XYZ 19.1224, 16.4325, 37.2859 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(118, 104, 164) }
```


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

```
.border{ border-color:rgb(118, 104, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 104, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 104, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 104, 164);  
box-shadow:4px 4px 4px 4px rgb(118, 104,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1224, 16.4325, 37.2859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 104, 164) }
```

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

```
.background{ background-color: rgb(118,  
104, 164) }
```

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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