

Converting Colors

XYZ(18.7973, 15.1228, 34.9003)

Have a look what the booklet for
XYZ(18.7973, 15.1228, 34.9003)
contains.

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Color

**XYZ(18.7531, 15.1540,
34.7375)**

Conversions

Conversions Part 1

Format	Color
Hex	7C609F
RGB	124, 96, 159
RGB Percent	49%, 38%, 62%
CMY	0.5137, 0.6235, 0.3765
CMYK	0.22, 0.40, 0.00, 0.38
HSL	267°, 25%, 50%
HSV	267°, 40%, 62%
XYZ	18.7531, 15.1540, 34.7375
YIQ	111.5540, -3.5350, 25.5290

Conversions

Conversions Part 2

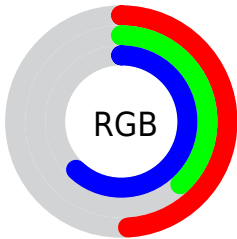
Format	Color
R_{YB}	124, 96, 159
Decimal	8151199
CIE _{Lab}	45.84, 24.51, -30.03
CIE _{LCh}	46, 38.765, 309.220
Yxy	15.1540, 0.2732, 0.2208
Android (android.graphics.Color)	4286341279 (0xFF7C609F)
YUV	111.5540, 23.3909, 10.9151
Hunter-Lab	38.9281, 17.8657, -25.6577

Details

The XYZ color **18.7531, 15.1540, 34.7375** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.8698, 30.4663, 15.6894**, and the grayscale version is **15.2057, 15.9976, 17.4214**.

A 20% lighter version of the original color is **40.9314, 35.1875, 68.2529**, and **6.4998, 4.6746, 14.4696** is the 20% darker color. If you saturate the color by 10%, you get **16.2267, 11.9118, 34.2451**, and if you desaturate by 10%, it is **21.6883, 19.0431, 35.3337**.

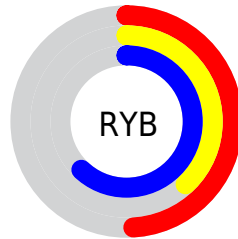
Distribution



Red (49%)

Green (38%)

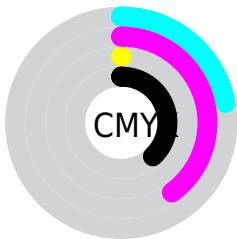
Blue (62%)



Red (49%)

Yellow (38%)

Blue (62%)

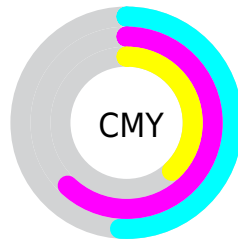


Cyan (22%)

Magenta (40%)

Yellow (0%)

Black (38%)



Cyan (51%)

Magenta (62%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7531, 15.1540, 34.7375 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 18.7531, 15.1540, 34.7375 by changing the saturation by 10% instead.

■ 18.7531, 15.1540,
34.7375

■ 18.7531, 15.1540,
34.7375

238.0467,
224.2965, 338.2771

■ 11.5950, 8.9275,
23.1788

■ 40.8366, 35.1231,
68.2259

■ 6.5387, 4.6939,
14.5191

■ 56.4926, 49.6346,
90.9926

■ 3.2191, 2.0688,
8.3397

■ 75.7120, 67.6764,
118.3325

■ 1.2707, 0.6470,
4.2222

■ 98.8601, 89.6332,
150.6640

■ 0.1611, 0.0000,
1.7480

126.3023,
115.8892, 188.4056

■ 0.0000, 0.0000,
0.3933

158.4039,

■ 0.0000, 0.0000,

146.8288, 231.9760

0.0000

195.5302,
182.8364, 281.7937

■ 18.7531, 15.1540,
34.7375

■ 18.7531, 15.1540,
34.7375

■ 16.2267, 11.9118,
34.2451

■ 21.6883, 19.0431,
35.3337

■ 14.0867, 9.2776,
33.8494

■ 25.0500, 23.6115,
36.0383

■ 12.3109, 7.2110,
33.5441

■ 28.8565, 28.8914,
36.8568

■ 10.8737, 5.6656,
33.3216

■ 33.1246, 34.9124,
37.7940

■ 9.7454, 4.5872,
33.1729

■ 37.8702, 41.7024,
38.8545

8.8634, 3.8560,
33.0783

43.1085, 49.2878,
40.0426

8.8324, 3.8303,
33.0749

48.8537, 57.6939,
41.3623

55.1197, 66.9447,
42.8176

61.9197, 77.0632,
44.4123

Harmonies

Analogous

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



15.4339, 15.1540, 41.4006



18.7531, 15.1540, 34.7375



21.1133, 15.1540, 23.7437

Triad

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



18.7531, 15.1540, 34.7375



16.7498, 15.1540, 4.7458



9.0487, 15.1540, 19.5547

Complementary

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



18.7531, 15.1540, 34.7375



23.8698, 30.4663, 15.6894

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.



9.2911, 15.1540, 10.9036



18.7531, 15.1540, 34.7375



13.4199, 15.1540, 4.3487

Square

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



18.7531, 15.1540, 34.7375



19.8406, 15.1540, 7.5366



10.7844, 15.1540, 6.1163



10.0632, 15.1540, 30.6950

Rectangle

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



18.7531, 15.1540, 34.7375



21.6444, 15.1540, 16.7464



10.7844, 15.1540, 6.1163



8.9897, 15.1540, 16.2563

Sweetspot

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



18.7536, 15.1546, 34.7378



49.8236, 49.1509, 65.6045



19.2929, 21.4117, 35.9172



11.0436, 10.8179, 14.7497



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.



18.7536, 15.1546, 34.7378



29.3578, 21.7078, 61.3861



23.9205, 17.8182, 34.9796



6.5506, 6.5723, 8.3300



7.0228, 3.0494, 26.1257



0.1735, 0.0792, 0.4694

Inverse Universe

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



22.5780, 17.3758, 23.6367



37.4714, 26.4268, 37.5346



19.7875, 28.3619, 15.4983



6.7795, 6.7047, 7.6901



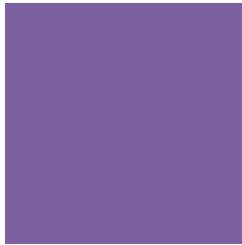
12.7165, 6.3912, 8.0239



0.2485, 0.1227, 0.2547

Previews

White Background



This preview shows how the XYZ color 18.7531, 15.1540, 34.7375 looks on a white background.

Color Contrast Check

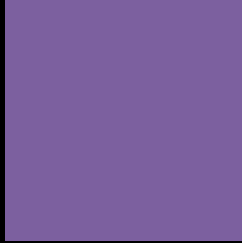
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7531, 15.1540, 34.7375 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 18.7531, 15.1540, 34.7375

Background



This preview shows how black text looks on a background with the XYZ color 18.7531, 15.1540, 34.7375.



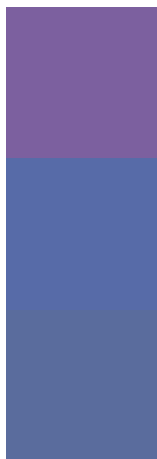
This preview shows how white text looks on a background with the XYZ color 18.7531, 15.1540,

34.7375.

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

18.7531, 15.1540, 34.7375

Protanopia

16.2561, 15.3688, 39.1555

Deuteranopia

15.6648, 15.3331, 34.0322



Tritanopia

15.3938, 15.2360, 18.0491

Trichromacy



Original Color

18.7531, 15.1540, 34.7375

Protanomaly

16.8973, 15.1264, 37.6264

Deuteranomaly

16.6014, 15.1940, 34.4055

Tritanomaly

16.3884, 15.0364, 23.1576

Monochromacy



Original Color

18.7531, 15.1540, 34.7375

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.3189, 15.6061, 22.9210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7531, 15.1540, 34.7375 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(124, 96, 159)` looks like.

```
.text, #text, p{  
    color:rgb(124, 96, 159)  
}
```

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(124, 96, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 96, 159) }
```

Border

The CSS property to change the border of an element to XYZ 18.7531, 15.1540, 34.7375 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(124, 96, 159) }
```


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

```
.border{ border-color:rgb(124, 96, 159) }
```

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

Here you see how a box with a 4 pixel rgb(124, 96, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 96, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 96, 159);  
box-shadow:4px 4px 4px 4px rgb(124, 96,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7531, 15.1540, 34.7375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 96, 159) }
```

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

```
.background{ background-color: rgb(124, 96,  
159) }
```

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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