

Converting Colors

XYZ(18.4871, 14.3993, 37.5180)

Have a look what the booklet for
XYZ(18.4871, 14.3993, 37.5180)
contains.

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Color

**XYZ(18.5038, 14.4359,
37.4084)**

Conversions

Conversions Part 1

Format	Color
Hex	795CA5
RGB	121, 92, 165
RGB Percent	47%, 36%, 65%
CMY	0.5255, 0.6392, 0.3529
CMYK	0.27, 0.44, 0.00, 0.35
HSL	264°, 29%, 50%
HSV	264°, 44%, 65%
XYZ	18.5038, 14.4359, 37.4084
YIQ	108.9930, -6.1490, 28.8510

Conversions

Conversions Part 2

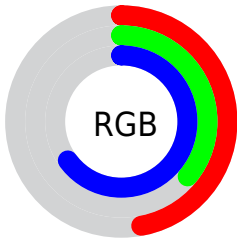
Format	Color
R _Y B	121, 92, 165
Decimal	7953573
CIE Lab	44.85, 27.49, -35.16
CIE LCh	45, 44.634, 308.024
Yxy	14.4359, 0.2630, 0.2052
Android (android.graphics.Color)	4286143653 (0xFF795CA5)
YUV	108.9930, 27.6115, 10.5301
Hunter-Lab	37.9946, 20.4409, -31.7790

Details

The XYZ color **18.5038, 14.4359, 37.4084** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.5407, 32.9175, 15.1334**, and the grayscale version is **14.4598, 15.2128, 16.5668**.

A 20% lighter version of the original color is **40.4199, 33.9262, 72.1282**, and **6.4448, 4.3711, 16.1268** is the 20% darker color. If you saturate the color by 10%, you get **15.9045, 11.2004, 36.9211**, and if you desaturate by 10%, it is **21.5592, 18.3692, 38.0068**.

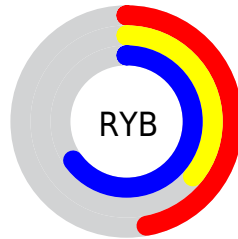
Distribution



Red (47%)

Green (36%)

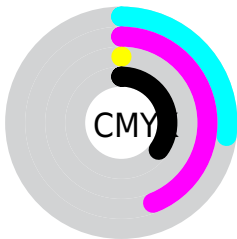
Blue (65%)



Red (47%)

Yellow (36%)

Blue (65%)

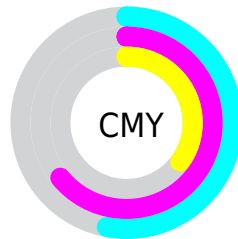


Cyan (27%)

Magenta (44%)

Yellow (0%)

Black (35%)



Cyan (53%)

Magenta (64%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5038, 14.4359, 37.4084 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 18.5038, 14.4359, 37.4084 by changing the saturation by 10% instead.

■ 18.5038, 14.4359,
37.4084

■ 18.5038, 14.4359,
37.4084

236.6866,
219.9260, 350.2971

■ 11.4142, 8.4245,
25.2256

■ 40.4173, 33.8605,
72.3938

■ 6.4155, 4.3677,
16.0247

■ 55.9719, 48.0424,
96.0335

■ 3.1424, 1.8813,
9.3871

■ 75.0789, 65.7167,
124.3292

■ 1.2295, 0.5371,
4.8943

■ 98.1036, 87.2676,
157.6994

■ 0.1295, 0.0000,
2.1277

125.4113,
113.0796, 196.5628

■ 0.0000, 0.0000,
0.6322

157.3675,

■ 0.0000, 0.0000,

143.5370, 241.3379

0.0000

194.3375,
179.0244, 292.4431

■ 18.5038, 14.4359,
37.4084

■ 18.5038, 14.4359,
37.4084

■ 15.9045, 11.2004,
36.9211

■ 21.5592, 18.3692,
38.0068

■ 13.7349, 8.6179,
36.5370

■ 25.0917, 23.0378,
38.7218

■ 11.9682, 6.6410,
36.2486

■ 29.1231, 28.4788,
39.5595

■ 10.5733, 5.2146,
36.0468

■ 33.6731, 34.7259,
40.5255

■ 9.5135, 4.2729,
35.9208

■ 38.7604, 41.8109,
41.6249

■ 9.0080, 3.8592,
35.8676

■ 44.4025, 49.7638,
42.8626

■ 50.6165, 58.6134,
44.2432

■ 57.4183, 68.3867,
45.7712

■ 64.8235, 79.1099,
47.4507

Harmonies

Analogous

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



14.7221, 14.4359, 45.1253



18.5038, 14.4359, 37.4084



21.2955, 14.4359, 24.4836

Triad

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



18.5038, 14.4359, 37.4084



16.5125, 14.4359, 3.4892



7.8880, 14.4359, 18.6882

Complementary

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



18.5038, 14.4359, 37.4084



25.5407, 32.9175, 15.1334

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.



8.1964, 14.4359, 9.3430



18.5038, 14.4359, 37.4084



12.7661, 14.4359, 3.0469

Square

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



18.5038, 14.4359, 37.4084



20.0115, 14.4359, 6.3164



9.8426, 14.4359, 4.6198



8.9097, 14.4359, 31.5968

Rectangle

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



18.5038, 14.4359, 37.4084



21.9793, 14.4359, 16.4200



9.8426, 14.4359, 4.6198



7.8435, 14.4359, 15.0368

Sweetspot

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



18.5043, 14.4365, 37.4087



52.9318, 52.0590, 71.0109



20.1537, 22.8885, 38.9532



11.2177, 10.8987, 15.4500



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.



18.5043, 14.4365, 37.4087



28.5990, 20.1997, 66.1439



24.4231, 17.4877, 37.6857



6.9543, 6.9908, 8.8859



6.8678, 2.9470, 27.1366



0.1967, 0.0889, 0.5727

Inverse Universe

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



23.7886, 17.4318, 25.4040



39.5830, 26.4388, 40.6028



20.7002, 30.4222, 14.9069



7.2446, 7.1543, 8.2744



13.4841, 6.7497, 9.7399



0.3057, 0.1508, 0.3223

Previews

White Background



This preview shows how the XYZ color 18.5038, 14.4359, 37.4084 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 18.5038, 14.4359, 37.4084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

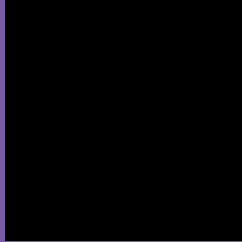
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.5038, 14.4359, 37.4084

Background



This preview shows how black text looks on a background with the XYZ color 18.5038, 14.4359, 37.4084.



This preview shows how white text looks on a background with the XYZ color 18.5038, 14.4359,

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

18.5038, 14.4359, 37.4084

Protanopia

15.8474, 14.6130, 43.0596

Deuteranopia

14.9001, 14.5790, 36.2111



Tritanopia

14.4305, 14.4500, 17.3578

Trichromacy



Original Color

18.5038, 14.4359, 37.4084

Protanomaly

16.5178, 14.4201, 40.9425

Deuteranomaly

15.8806, 14.3314, 36.5796

Tritanomaly

15.7241, 14.3979, 23.4230

Monochromacy



Original Color

18.5038, 14.4359, 37.4084

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.6227, 14.7962, 22.8014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5038, 14.4359, 37.4084 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(121, 92, 165)` looks like.

```
.text, #text, p{  
    color:rgb(121, 92, 165)  
}
```

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(121, 92, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 92, 165) }
```

Border

The CSS property to change the border of an element to XYZ 18.5038, 14.4359, 37.4084 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(121, 92, 165) }
```


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

```
.border{ border-color:rgb(121, 92, 165) }
```

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

Here you see how a box with a 4 pixel rgb(121, 92, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 92, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 92, 165);  
box-shadow:4px 4px 4px 4px rgb(121, 92,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5038, 14.4359, 37.4084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 92, 165) }
```

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

```
.background{ background-color: rgb(121, 92,  
165) }
```

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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