

Converting Colors

XYZ(18.6812, 13.4143, 52.4207)

Have a look what the booklet for
XYZ(18.6812, 13.4143, 52.4207)
contains.

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Color

**XYZ(18.7743, 13.4937,
52.6540)**

Conversions

Conversions Part 1

Format	Color
Hex	6856C2
RGB	104, 86, 194
RGB Percent	41%, 34%, 76%
CMY	0.5921, 0.6627, 0.2392
CMYK	0.46, 0.56, 0.00, 0.24
HSL	250°, 47%, 55%
HSV	250°, 56%, 76%
XYZ	18.7743, 13.4937, 52.6540
YIQ	103.6940, -23.9400, 37.4040

Conversions

Conversions Part 2

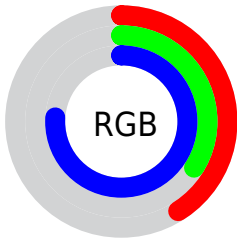
Format	Color
RYB	104, 86, 194
Decimal	6837954
CIELab	43.50, 34.73, -54.40
CIElCh	43, 64.544, 302.558
Yxy	13.4937, 0.2211, 0.1589
Android (android.graphics.Color)	4285028034 (0xFF6856C2)
YUV	103.6940, 44.5209, 0.2684
Hunter-Lab	36.7338, 26.9456, -59.2723

Details

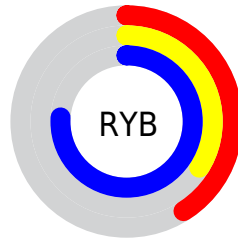
The XYZ color **18.7743, 13.4937, 52.6540** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted purple. A complement of this color would be **38.8758, 48.4856, 16.1141**, and the grayscale version is **12.9666, 13.6419, 14.8560**.

A 20% lighter version of the original color is **40.7140, 32.0469, 95.3066**, and **6.5457, 3.9625, 24.8459** is the 20% darker color. If you saturate the color by 10%, you get **15.7303, 9.9289, 52.1267**, and if you desaturate by 10%, it is **22.5996, 18.0854, 53.3390**.

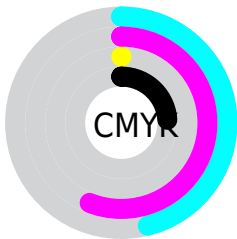
Distribution



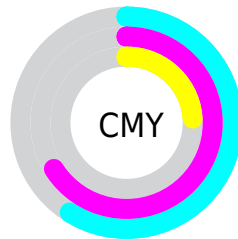
- Red (41%)
- Green (34%)
- Blue (76%)



- Red (41%)
- Yellow (34%)
- Blue (76%)



- Cyan (46%)
- Magenta (56%)
- Yellow (0%)
- Black (24%)



- Cyan (59%)
- Magenta (66%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7743, 13.4937, 52.6540 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 18.7743, 13.4937, 52.6540 by changing the saturation by 10% instead.

■ 18.7743, 13.4937,
52.6540

■ 18.7743, 13.4937,
52.6540

238.1620,
214.0579, 413.9848

■ 11.6103, 7.7694,
37.1408

■ 40.8722, 32.1879,
95.5314

■ 6.5492, 3.9477,
25.0199

■ 56.5369, 45.9266,
123.7327

■ 3.2256, 1.6444,
15.8727

■ 75.7658, 63.1056,
157.0005

■ 1.2742, 0.3872,
9.2807

■ 98.9243, 84.1092,
195.7532

■ 0.1638, 0.0000,
4.8254

■ 126.3779,
109.3218, 240.4095

■ 0.0000, 0.0000,
2.0883

158.4918,

■ 0.0000, 0.0000,

139.1279, 291.3878

0.6088

195.6314,
173.9118, 349.1067

■ 0.0000, 0.0000,
0.0000

■ 18.7743, 13.4937,
52.6540

■ 18.7743, 13.4937,
52.6540

■ 15.7303, 9.9289,
52.1267

■ 22.5996, 18.0854,
53.3390

■ 13.4103, 7.3093,
51.7433

■ 27.2542, 23.7745,
54.1917

■ 11.7516, 5.5427,
51.4897

■ 32.7846, 30.6267,
55.2229

■ 10.6784, 4.5154,
51.3480

■ 39.2331, 38.7020,
56.4417

■ 10.3439, 4.2076,
51.3062

■ 46.6393, 48.0565,
57.8569

■ 55.0403, 58.7426,
59.4768

■ 64.4714, 70.8098,
61.3089

■ 74.9661, 84.3051,
63.3606

■ 84.7431, 95.6468,
65.0345

Harmonies

Analogous

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



13.2624, 13.4937, 63.4610



18.7743, 13.4937, 52.6540



23.4817, 13.4937, 31.5371

Triad

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



18.7743, 13.4937, 52.6540



17.8256, 13.4937, 1.2653



5.3799, 13.4937, 15.9653

Complementary

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



18.7743, 13.4937, 52.6540



38.8758, 48.4856, 16.1141

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.



6.0080, 13.4937, 5.2594



18.7743, 13.4937, 52.6540



12.3980, 13.4937, 0.7352

Square

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



18.7743, 13.4937, 52.6540



22.8408, 13.4937, 4.2509



8.2881, 13.4937, 1.5224



6.2725, 13.4937, 35.2409

Rectangle

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



18.7743, 13.4937, 52.6540



25.0229, 13.4937, 18.5850



8.2881, 13.4937, 1.5224



5.4203, 13.4937, 11.3852

Sweetspot

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



18.7749, 13.4941, 52.6543



69.0961, 67.6238, 101.8807



29.1010, 36.9245, 56.6326



14.5885, 14.1277, 22.2080



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



18.7749, 13.4941, 52.6543



27.3780, 16.7029, 94.2508



27.1663, 17.8200, 53.0471



9.6813, 9.8269, 12.6713



6.8484, 2.7909, 33.7344



0.3458, 0.1463, 1.4599

Inverse Universe

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



33.4125, 21.2597, 43.4159



56.9143, 32.4091, 73.9590



28.9979, 43.3934, 15.6518



10.4229, 10.2178, 12.3173



18.9216, 9.2584, 23.2970



0.8371, 0.4079, 1.1098

Previews

White Background



This preview shows how the XYZ color 18.7743, 13.4937, 52.6540 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 18.7743, 13.4937, 52.6540 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 18.7743, 13.4937, 52.6540

Background



This preview shows how black text looks on a background with the XYZ color 18.7743, 13.4937, 52.6540.



This preview shows how white text looks on a background with the XYZ color 18.7743, 13.4937,

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

18.7743, 13.4937, 52.6540

Protanopia

16.1779, 13.6483, 61.4562

Deuteranopia

13.8085, 13.6059, 47.7974



Tritanopia

11.9195, 13.5922, 18.2150

Trichromacy



Original Color

18.7743, 13.4937, 52.6540

Protanomaly

16.1984, 13.0473, 58.1645

Deuteranomaly

14.2441, 12.7783, 49.2927

Tritanomaly

13.8103, 13.1614, 28.1981

Monochromacy



Original Color

18.7743, 13.4937, 52.6540

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.4990, 13.2986, 25.4696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7743, 13.4937, 52.6540 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(104, 86, 194)` looks like.

```
.text, #text, p{  
    color:rgb(104, 86, 194)  
}
```

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(104, 86, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 86, 194) }
```

Border

The CSS property to change the border of an element to XYZ 18.7743, 13.4937, 52.6540 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(104, 86, 194) }
```


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

```
.border{ border-color:rgb(104, 86, 194) }
```

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

Here you see how a box with a 4 pixel rgb(104, 86, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 86, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 86, 194);  
box-shadow:4px 4px 4px 4px rgb(104, 86,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7743, 13.4937, 52.6540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 86, 194) }
```

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

```
.background{ background-color: rgb(104, 86,  
194) }
```

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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