

Converting Colors

XYZ(21.9153, 18.4187, 37.2180)

Have a look what the booklet for
XYZ(21.9153, 18.4187, 37.2180)
contains.

XYZ(21.9651, 18.5204, 37.0674)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.9651, 18.5204,
37.0674)**

Conversions

Conversions Part 1

Format	Color
Hex	876CA3
RGB	135, 108, 163
RGB Percent	53%, 42%, 64%
CMY	0.4706, 0.5765, 0.3608
CMYK	0.17, 0.34, 0.00, 0.36
HSL	269°, 23%, 53%
HSV	269°, 34%, 64%
XYZ	21.9651, 18.5204, 37.0674
YIQ	122.3430, -1.5630, 22.8290

Conversions

Conversions Part 2

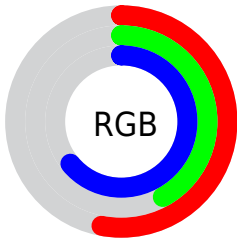
Format	Color
R_{YB}	135, 108, 163
Decimal	8875171
CIE _{Lab}	50.12, 21.83, -25.65
CIE _{LCh}	50, 33.678, 310.399
Yxy	18.5204, 0.2832, 0.2388
Android (android.graphics.Color)	4287065251 (0xFF876CA3)
YUV	122.3430, 20.0439, 11.1002
Hunter-Lab	43.0353, 15.7940, -20.9432

Details

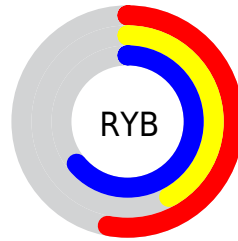
The XYZ color **21.9651, 18.5204, 37.0674** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.9579, 32.5118, 19.0955**, and the grayscale version is **18.5482, 19.5141, 21.2509**.

A 20% lighter version of the original color is **46.2120, 41.0224, 71.8121**, and **8.1413, 6.2642, 15.8190** is the 20% darker color. If you saturate the color by 10%, you get **19.1206, 14.7366, 36.4873**, and if you desaturate by 10%, it is **25.2363, 23.0022, 37.7604**.

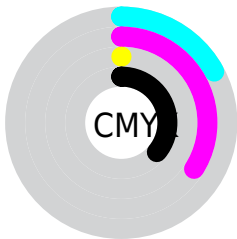
Distribution



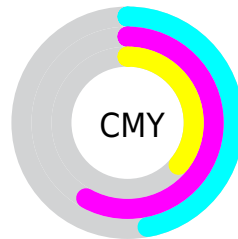
- Red (53%)
- Green (42%)
- Blue (64%)



- Red (53%)
- Yellow (42%)
- Blue (64%)



- Cyan (17%)
- Magenta (34%)
- Yellow (0%)
- Black (36%)



- Cyan (47%)
- Magenta (58%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9651, 18.5204, 37.0674 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 21.9651, 18.5204, 37.0674 by changing the saturation by 10% instead.

■ 21.9651, 18.5204,
37.0674

■ 21.9651, 18.5204,
37.0674

254.9998,
243.7881, 348.7797

■ 13.9477, 11.3242,
24.9635

■ 46.1676, 40.9221,
71.8639

■ 8.1658, 6.2854,
15.8311

■ 63.0834, 56.8964,
95.3936

■ 4.2539, 3.0194,
9.2516

■ 83.6961, 76.5656,
123.5690

■ 1.8468, 1.1419,
4.8066

■ 108.3710,
100.3141, 156.8085

■ 0.5456, 0.0134,
2.0775

137.4734,
128.5261, 195.5308

■ 0.0000, 0.0000,
0.6023

171.3688,

■ 0.0000, 0.0000,

161.5862, 240.1545

0.0000

210.4225,
199.8788, 291.0979

■ 21.9651, 18.5204,
37.0674

■ 21.9651, 18.5204,
37.0674

■ 19.1206, 14.7366,
36.4873

■ 25.2363, 23.0022,
37.7604

■ 16.6807, 11.6113,
36.0126

■ 28.9512, 28.2140,
38.5705

■ 14.6239, 9.1047,
35.6372

■ 33.1280, 34.1885,
39.5036

■ 12.9254, 7.1714,
35.3536

■ 37.7834, 40.9557,
40.5644

■ 11.5576, 5.7595,
35.1531

■ 42.9331, 48.5442,
41.7577

10.4872, 4.8071,
35.0257

48.5922, 56.9807,
43.0879

9.9207, 4.3506,
34.9675

54.7748, 66.2911,
44.5591

61.4948, 76.5000,
46.1754

68.7655, 87.6310,
47.9407

Harmonies

Analogous

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



18.7537, 18.5204, 43.3461



21.9651, 18.5204, 37.0674



24.1605, 18.5204, 26.7748

Triad

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



21.9651, 18.5204, 37.0674



19.7806, 18.5204, 7.5803



12.1510, 18.5204, 23.5665

Complementary

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



21.9651, 18.5204, 37.0674



25.9579, 32.5118, 19.0955

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.



12.3545, 18.5204, 14.7447



21.9651, 18.5204, 37.0674



16.5006, 18.5204, 7.2003

Square

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



21.9651, 18.5204, 37.0674



22.7959, 18.5204, 10.6589



13.8605, 18.5204, 9.3877



13.2656, 18.5204, 34.1075

Rectangle

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



21.9651, 18.5204, 37.0674



24.6096, 18.5204, 20.0414



13.8605, 18.5204, 9.3877



12.0713, 18.5204, 20.2902

Sweetspot

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



21.9657, 18.5212, 37.0678



54.4120, 54.1734, 69.6448



21.6588, 23.5591, 38.0564



12.0013, 11.8544, 15.5931



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.



21.9657, 18.5212, 37.0678



35.6934, 28.2973, 65.6368



26.8911, 21.0603, 37.2983



7.0160, 7.0226, 8.8888



7.7624, 3.4081, 27.1785



0.2176, 0.0997, 0.5736

Inverse Universe

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



24.9113, 20.2900, 25.8967



41.9029, 32.0269, 42.0481



22.1010, 30.5235, 18.9150



7.2172, 7.1433, 8.1301



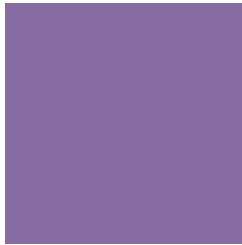
12.9748, 6.5460, 7.0577



0.2964, 0.1471, 0.2737

Previews

White Background



This preview shows how the XYZ color 21.9651, 18.5204, 37.0674 looks on a white 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

Black Background



This preview shows how the XYZ color 21.9651, 18.5204, 37.0674 looks on a black 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

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

XYZ 21.9651, 18.5204, 37.0674

Background



This preview shows how black text looks on a background with the XYZ color 21.9651, 18.5204, 37.0674.



This preview shows how white text looks on a background with the XYZ color 21.9651, 18.5204,

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

21.9651, 18.5204, 37.0674

Protanopia

19.4226, 18.7807, 41.1294

Deuteranopia

19.0958, 18.7182, 36.3247



Tritanopia

19.0003, 18.6386, 21.9982

Trichromacy



Original Color

21.9651, 18.5204, 37.0674

Protanomaly

20.1554, 18.5066, 39.5556

Deuteranomaly

20.0101, 18.4948, 36.6976

Tritanomaly

19.9254, 18.4996, 26.9467

Monochromacy



Original Color

21.9651, 18.5204, 37.0674

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.6290, 19.0407, 26.3076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9651, 18.5204, 37.0674 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(135, 108, 163)` looks like.

```
.text, #text, p{  
    color:rgb(135, 108, 163)  
}
```

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(135, 108, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 108, 163) }
```

Border

The CSS property to change the border of an element to XYZ 21.9651, 18.5204, 37.0674 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(135, 108, 163) }
```


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

```
.border{ border-color:rgb(135, 108, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 108, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 108, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 108, 163);  
box-shadow:4px 4px 4px 4px rgb(135, 108,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9651, 18.5204, 37.0674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 108, 163) }
```

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

```
.background{ background-color: rgb(135,  
108, 163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor