

Converting Colors

XYZ(21.4084, 18.2063, 34.7787)

Have a look what the booklet for
XYZ(21.4084, 18.2063, 34.7787)
contains.

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Color

**XYZ(21.5258, 18.3446,
34.7541)**

Conversions

Conversions Part 1

Format	Color
Hex	876C9E
RGB	135, 108, 158
RGB Percent	53%, 42%, 62%
CMY	0.4706, 0.5765, 0.3804
CMYK	0.15, 0.32, 0.00, 0.38
HSL	272°, 20%, 52%
HSV	272°, 32%, 62%
XYZ	21.5258, 18.3446, 34.7541
YIQ	121.7730, 0.0420, 21.2740

Conversions

Conversions Part 2

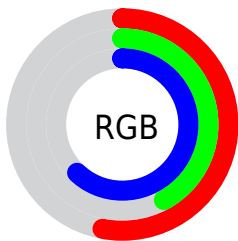
Format	Color
RYB	135, 108, 158
Decimal	8875166
CIELab	49.91, 20.67, -23.04
CIELCh	50, 30.956, 311.897
Yxy	18.3446, 0.2885, 0.2458
Android (android.graphics.Color)	4287065246 (0xFF876C9E)
YUV	121.7730, 17.8599, 11.6001
Hunter-Lab	42.8306, 14.7570, -18.1284

Details

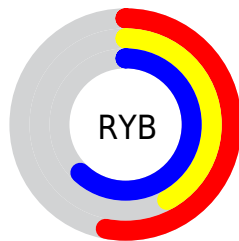
The XYZ color **21.5258, 18.3446, 34.7541** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.2942, 30.3621, 18.7681**, and the grayscale version is **18.3688, 19.3254, 21.0454**.

A 20% lighter version of the original color is **45.5673, 40.7645, 68.4175**, and **7.8735, 6.1571, 14.4091** is the 20% darker color. If you saturate the color by 10%, you get **18.8784, 14.7267, 34.1956**, and if you desaturate by 10%, it is **24.5562, 22.6092, 35.4178**.

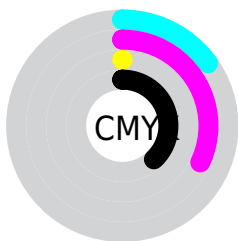
Distribution



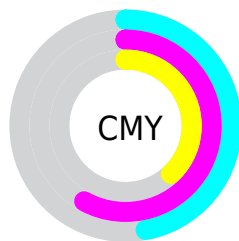
- Red (53%)
- Green (42%)
- Blue (62%)



- Red (53%)
- Yellow (42%)
- Blue (62%)



- Cyan (15%)
- Magenta (32%)
- Yellow (0%)
- Black (38%)



- Cyan (47%)
- Magenta (58%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5258, 18.3446, 34.7541 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 21.5258, 18.3446, 34.7541 by changing the saturation by 10% instead.

■ 21.5258, 18.3446,
34.7541

■ 21.5258, 18.3446,
34.7541

252.7390,
242.8063, 338.3528

■ 13.6235, 11.1977,
23.1915

■ 45.4457, 40.6236,
68.2519

■ 7.9392, 6.2000,
14.5283

■ 62.1940, 56.5246,
91.0242

■ 4.1076, 2.9670,
8.3461

■ 82.6218, 76.1122,
118.3700

■ 1.7632, 1.1146,
4.2263

■ 107.0943, 99.7711,
150.7081

■ 0.4953, 0.0000,
1.7503

135.9769,
127.8856, 188.4569

■ 0.0000, 0.0000,
0.3949

169.6350,

■ 0.0000, 0.0000,

160.8400, 232.0349

0.0000

208.4339,
199.0187, 281.8607

■ 21.5258, 18.3446,
34.7541

■ 21.5258, 18.3446,
34.7541

■ 18.8784, 14.7267,
34.1956

■ 24.5562, 22.6092,
35.4178

■ 16.5944, 11.7196,
33.7356

■ 27.9845, 27.5492,
36.1906

■ 14.6547, 9.2877,
33.3684

■ 31.8269, 33.1942,
37.0777

■ 13.0380, 7.3902,
33.0873

■ 36.0979, 39.5715,
38.0836

■ 11.7198, 5.9811,
32.8848

■ 40.8117, 46.7069,
39.2124

■ 10.6715, 5.0059,
32.7519

■ 45.9814, 54.6248,
40.4682

■ 9.9471, 4.4150,
32.6760

■ 51.6197, 63.3486,
41.8549

■ 57.7388, 72.9007,
43.3762

■ 64.3504, 83.3026,
45.0355

Harmonies

Analogous

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



18.6376, 18.3446, 40.5823



21.5258, 18.3446, 34.7541



23.4338, 18.3446, 25.4874

Triad

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



21.5258, 18.3446, 34.7541



19.2676, 18.3446, 8.1295



12.4324, 18.3446, 23.5318

Complementary

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



21.5258, 18.3446, 34.7541



24.2942, 30.3621, 18.7681

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.



12.5603, 18.3446, 15.3194



21.5258, 18.3446, 34.7541



16.2872, 18.3446, 7.8809

Square

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



21.5258, 18.3446, 34.7541



22.0318, 18.3446, 10.9363



13.9001, 18.3446, 10.1213



13.5284, 18.3446, 32.9778

Rectangle

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



21.5258, 18.3446, 34.7541



23.7753, 18.3446, 19.4386



13.9001, 18.3446, 10.1213



12.3374, 18.3446, 20.5195

Sweetspot

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



21.5264, 18.3454, 34.7545



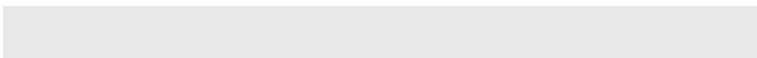
52.4707, 52.4382, 66.0995



20.5176, 21.9797, 35.5092



11.6194, 11.5154, 14.8539



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.



21.5264, 18.3454, 34.7545



35.6087, 28.5330, 62.3741



25.4926, 20.4065, 34.1963



6.6097, 6.6028, 8.3328



8.0124, 3.5596, 26.1720



0.1918, 0.0887, 0.4702

Inverse Universe

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



23.5604, 19.6336, 24.0212



40.0495, 31.3413, 39.1391



21.2081, 28.7609, 19.0912



6.7536, 6.6944, 7.5536



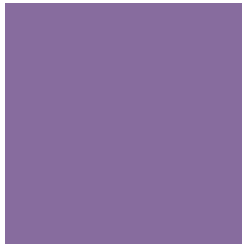
12.2673, 6.2115, 5.6585



0.2405, 0.1195, 0.2125

Previews

White Background



This preview shows how the XYZ color 21.5258, 18.3446, 34.7541 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 21.5258, 18.3446, 34.7541 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 21.5258, 18.3446, 34.7541

Background



This preview shows how black text looks on a background with the XYZ color 21.5258, 18.3446, 34.7541.



This preview shows how white text looks on a background with the XYZ color 21.5258, 18.3446,

34.7541.

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

21.5258, 18.3446, 34.7541

Protanopia

18.8617, 18.3822, 38.1513

Deuteranopia

18.7924, 18.4379, 34.0209



Tritanopia

18.8221, 18.3838, 21.6252

Trichromacy



Original Color

21.5258, 18.3446, 34.7541

Protanomaly

19.6091, 18.2881, 36.6789

Deuteranomaly

19.7109, 18.3909, 34.4092

Tritanomaly

19.5982, 18.1912, 25.7709

Monochromacy



Original Color

21.5258, 18.3446, 34.7541

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.4869, 18.9839, 25.5589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5258, 18.3446, 34.7541 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, 158)` looks like.

```
.text, #text, p{  
    color:rgb(135, 108, 158)  
}
```

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, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 108, 158) }
```

Border

The CSS property to change the border of an element to XYZ 21.5258, 18.3446, 34.7541 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, 158) }
```


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

```
.border{ border-color:rgb(135, 108, 158) }
```

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, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 108, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 108, 158);  
box-shadow:4px 4px 4px 4px rgb(135, 108,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5258, 18.3446, 34.7541 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, 158) }
```

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

```
.background{ background-color: rgb(135,  
108, 158) }
```

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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