

Converting Colors

XYZ(21.5198, 18.9413, 39.8618)

Have a look what the booklet for
XYZ(21.5198, 18.9413, 39.8618)
contains.

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Color

**XYZ(21.5598, 18.8885,
40.0456)**

Conversions

Conversions Part 1

Format	Color
Hex	7E70A9
RGB	126, 112, 169
RGB Percent	49%, 44%, 66%
CMY	0.5059, 0.5608, 0.3373
CMYK	0.25, 0.34, 0.00, 0.34
HSL	255°, 25%, 55%
HSV	255°, 34%, 66%
XYZ	21.5598, 18.8885, 40.0456
YIQ	122.6840, -9.9530, 20.6950

Conversions

Conversions Part 2

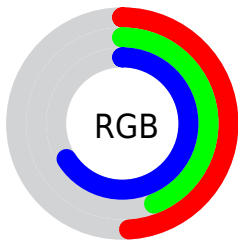
Format	Color
R_{YB}	126, 112, 169
Decimal	8286377
CIE _{Lab}	50.56, 18.05, -28.54
CIE _{LCh}	51, 33.771, 302.313
Yxy	18.8885, 0.2678, 0.2347
Android (android.graphics.Color)	4286476457 (0xFF7E70A9)
YUV	122.6840, 22.8338, 2.9081
Hunter-Lab	43.4609, 12.4925, -24.2082

Details

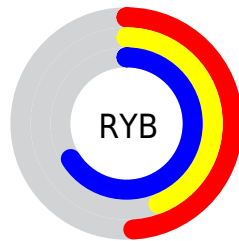
The XYZ color **21.5598, 18.8885, 40.0456** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.6305, 36.5147, 20.7635**, and the grayscale version is **18.6529, 19.6243, 21.3709**.

A 20% lighter version of the original color is **45.5524, 41.6360, 76.1567**, and **7.9459, 6.4470, 17.6552** is the 20% darker color. If you saturate the color by 10%, you get **18.1056, 14.5950, 39.3992**, and if you desaturate by 10%, it is **25.6049, 24.0070, 40.8207**.

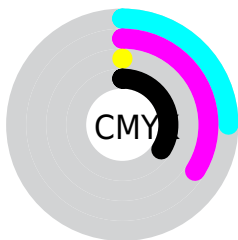
Distribution



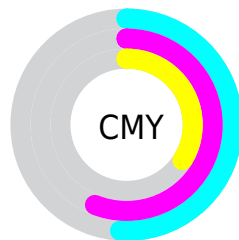
- Red (49%)
- Green (44%)
- Blue (66%)



- Red (49%)
- Yellow (44%)
- Blue (66%)



- Cyan (25%)
- Magenta (34%)
- Yellow (0%)
- Black (34%)



- Cyan (51%)
- Magenta (56%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5598, 18.8885, 40.0456 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 21.5598, 18.8885, 40.0456 by changing the saturation by 10% instead.

■ 21.5598, 18.8885,
40.0456

■ 21.5598, 18.8885,
40.0456

252.9145,
245.8325, 361.8735

■ 13.6486, 11.5897,
27.2600

■ 45.5016, 41.5456,
76.4708

■ 7.9567, 6.4650,
17.5345

■ 62.2630, 57.6727,
100.9475

■ 4.1188, 3.1298,
10.4503

■ 82.7051, 77.5115,
130.1584

■ 1.7696, 1.1999,
5.5890

■ 107.1933,
101.4461, 164.5219

■ 0.4992, 0.0616,
2.5321

136.0930,
129.8612, 204.4566

■ 0.0000, 0.0000,
0.8571

169.7696,

■ 0.0000, 0.0000,

163.1410, 250.3811

0.0000

208.5883,
201.6700, 302.7139

■ 21.5598, 18.8885,
40.0456

■ 21.5598, 18.8885,
40.0456

■ 18.1056, 14.5950,
39.3992

■ 25.6049, 24.0070,
40.8207

■ 15.2118, 11.0803,
38.8734

■ 30.2655, 29.9888,
41.7297

■ 12.8478, 8.2972,
38.4608

■ 35.5673, 36.8725,
42.7789

■ 10.9794, 6.1922,
38.1529

■ 41.5337, 44.6938,
43.9741

■ 9.5678, 4.7042,
37.9401

■ 48.1872, 53.4862,
45.3205

■ 8.5679, 3.7606,
37.8107

■ 55.5488, 63.2818,
46.8233

■ 8.0964, 3.3466,
37.7556

■ 63.6391, 74.1111,
48.4871

■ 72.4775, 86.0033,
50.3167

■ 79.1096, 93.0403,
51.3254

Harmonies

Analogous

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



18.2101, 18.8885, 44.5674



21.5598, 18.8885, 40.0456



24.1727, 18.8885, 30.2095

Triad

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



21.5598, 18.8885, 40.0456



21.0629, 18.8885, 8.3138



12.3339, 18.8885, 21.3079

Complementary

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



21.5598, 18.8885, 40.0456



30.6305, 36.5147, 20.7635

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.



12.9036, 18.8885, 13.2306



21.5598, 18.8885, 40.0456



17.6983, 18.8885, 7.2355

Square

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



21.5598, 18.8885, 40.0456



23.8621, 18.8885, 12.3071



14.7726, 18.8885, 8.7209



13.1100, 18.8885, 31.8795

Rectangle

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



21.5598, 18.8885, 40.0456



24.9977, 18.8885, 23.0920



14.7726, 18.8885, 8.7209



12.3742, 18.8885, 18.2319

Sweetspot

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



21.5605, 18.8892, 40.0460



57.4384, 57.8934, 75.3723



25.6822, 29.9862, 41.9707



12.2484, 12.2676, 16.3745



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.5605, 18.8892, 40.0460



34.1808, 28.3037, 70.8867



26.2445, 21.3040, 40.2652



7.2980, 7.3862, 9.4594



6.0764, 2.5159, 28.1409



0.1926, 0.0843, 0.6868

Inverse Universe

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



28.0732, 22.3905, 33.8527



47.6629, 35.5614, 57.6293



25.8953, 34.0736, 20.5419



7.7620, 7.6347, 9.0638



15.0955, 7.4469, 15.8465



0.3857, 0.1886, 0.4827

Previews

White Background



This preview shows how the XYZ color 21.5598, 18.8885, 40.0456 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 21.5598, 18.8885, 40.0456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

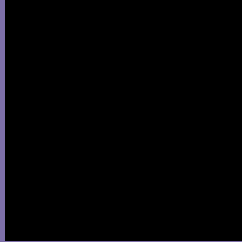
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.5598, 18.8885, 40.0456

Background



This preview shows how black text looks on a background with the XYZ color 21.5598, 18.8885, 40.0456.



This preview shows how white text looks on a background with the XYZ color 21.5598, 18.8885,

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

21.5598, 18.8885, 40.0456

Protanopia

19.7163, 19.0744, 42.6870

Deuteranopia

19.3736, 18.9639, 39.6851



Tritanopia

18.1501, 18.8695, 23.4544

Trichromacy



Original Color

21.5598, 18.8885, 40.0456

Protanomaly

20.2473, 18.8488, 41.6008

Deuteranomaly

19.9954, 18.7627, 39.6135

Tritanomaly

19.2805, 18.8011, 28.9983

Monochromacy



Original Color

21.5598, 18.8885, 40.0456

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.6426, 19.3722, 27.5149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5598, 18.8885, 40.0456 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(126, 112, 169)` looks like.

```
.text, #text, p{  
    color:rgb(126, 112, 169)  
}
```

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(126, 112, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 112, 169) }
```

Border

The CSS property to change the border of an element to XYZ 21.5598, 18.8885, 40.0456 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(126, 112, 169) }
```


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

```
.border{ border-color:rgb(126, 112, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 112, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 112, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 112, 169);  
box-shadow:4px 4px 4px 4px rgb(126, 112,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5598, 18.8885, 40.0456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 112, 169) }
```

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

```
.background{ background-color: rgb(126,  
112, 169) }
```

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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