

Converting Colors

XYZ(21.1890, 17.7956, 40.6421)

Have a look what the booklet for
XYZ(21.1890, 17.7956, 40.6421)
contains.

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Color

**XYZ(21.2571, 17.7604,
40.8358)**

Conversions

Conversions Part 1

Format	Color
Hex	7F6AAB
RGB	127, 106, 171
RGB Percent	50%, 42%, 67%
CMY	0.5020, 0.5843, 0.3294
CMYK	0.26, 0.38, 0.00, 0.33
HSL	259°, 28%, 54%
HSV	259°, 38%, 67%
XYZ	21.2571, 17.7604, 40.8358
YIQ	119.6890, -8.3490, 24.6670

Conversions

Conversions Part 2

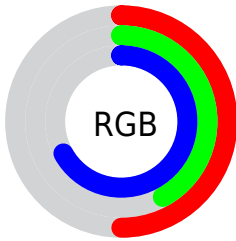
Format	Color
R_{YB}	127, 106, 171
Decimal	8350379
CIE _{Lab}	49.20, 22.45, -31.81
CIE _{LCh}	49, 38.932, 305.210
Yxy	17.7604, 0.2662, 0.2224
Android (android.graphics.Color)	4286540459 (0xFF7F6AAB)
YUV	119.6890, 25.2963, 6.4117
Hunter-Lab	42.1431, 16.2855, -27.9506

Details

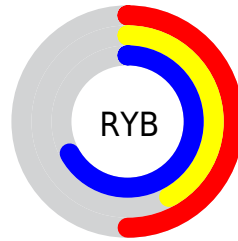
The XYZ color **21.2571, 17.7604, 40.8358** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.7426, 36.6509, 19.1431**, and the grayscale version is **17.6778, 18.5984, 20.2536**.

A 20% lighter version of the original color is **45.1480, 39.8235, 77.9802**, and **7.7636, 5.8706, 17.8635** is the 20% darker color. If you saturate the color by 10%, you get **18.0415, 13.7427, 40.2301**, and if you desaturate by 10%, it is **25.0235, 22.5844, 41.5687**.

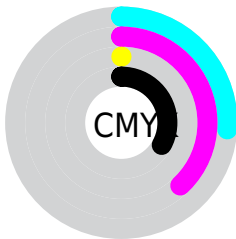
Distribution



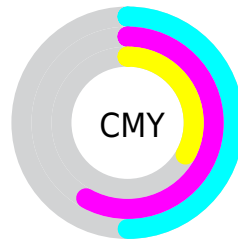
- Red (50%)
- Green (42%)
- Blue (67%)



- Red (50%)
- Yellow (42%)
- Blue (67%)



- Cyan (26%)
- Magenta (38%)
- Yellow (0%)
- Black (33%)



- Cyan (50%)
- Magenta (58%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2571, 17.7604, 40.8358 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 21.2571, 17.7604, 40.8358 by changing the saturation by 10% instead.

■ 21.2571, 17.7604,
40.8358

■ 21.2571, 17.7604,
40.8358

251.3476,
239.5171, 365.2902

■ 13.4256, 10.7781,
27.8721

■ 45.0031, 39.6286,
77.6855

■ 7.8013, 5.9178,
17.9910

■ 61.6483, 55.2834,
102.4086

■ 4.0188, 2.7952,
10.7742

■ 81.9621, 74.5977,
131.8886

■ 1.7128, 1.0258,
5.8029

■ 106.3098, 97.9560,
166.5439

■ 0.4642, 0.0000,
2.6588

135.0569,
125.7427, 206.7932

■ 0.0000, 0.0000,
0.9226

168.5687,

■ 0.0000, 0.0000,

158.3422, 253.0550

0.0000

207.2105,
196.1388, 305.7478

■ 21.2571, 17.7604,
40.8358

■ 21.2571, 17.7604,
40.8358

■ 18.0415, 13.7427,
40.2301

■ 25.0235, 22.5844,
41.5687

■ 15.3470, 10.4837,
39.7431

■ 29.3643, 28.2543,
42.4343

■ 13.1440, 7.9340,
39.3670

■ 34.3042, 34.8098,
43.4393

■ 11.3989, 6.0373,
39.0929

■ 39.8656, 42.2873,
44.5895

■ 10.0729, 4.7283,
38.9101

■ 46.0699, 50.7210,
45.8904

■ 9.1065, 3.9002,
38.8012

■ 52.9374, 60.1435,
47.3471

■ 8.9398, 3.7595,
38.7829

■ 60.4874, 70.5860,
48.9648

■ 68.7385, 82.0780,
50.7481

■ 76.1243, 91.4794,
52.1735

Harmonies

Analogous

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



17.5258, 17.7604, 47.0393



21.2571, 17.7604, 40.8358



24.0839, 17.7604, 29.0444

Triad

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



21.2571, 17.7604, 40.8358



19.9963, 17.7604, 6.2321



10.8140, 17.7604, 21.2204

Complementary

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



21.2571, 17.7604, 40.8358



29.7426, 36.6509, 19.1431

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.



11.2794, 17.7604, 12.0781



21.2571, 17.7604, 40.8358



16.2517, 17.7604, 5.4373

Square

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



21.2571, 17.7604, 40.8358



23.2856, 17.7604, 9.9133



13.1504, 17.7604, 7.1296



11.7733, 17.7604, 33.3887

Rectangle

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



21.2571, 17.7604, 40.8358



24.8807, 17.7604, 21.0647



13.1504, 17.7604, 7.1296



10.8107, 17.7604, 17.7084

Sweetspot

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



21.2577, 17.7611, 40.8362



58.5007, 58.4277, 77.1962



24.2681, 27.9510, 42.6444



12.7840, 12.6815, 17.1617



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.2577, 17.7611, 40.8362



32.9503, 25.4004, 72.1680



26.8199, 20.6285, 41.0965



7.8135, 7.8781, 10.0615



6.7891, 2.8598, 29.2387



0.2470, 0.1095, 0.8161

Inverse Universe

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



27.4542, 21.1687, 31.4938



45.9429, 32.5595, 51.9390



24.6249, 34.0126, 18.9036



8.2253, 8.1034, 9.4974



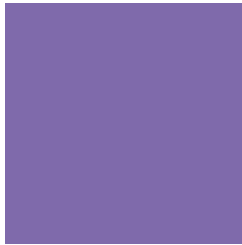
15.0512, 7.4830, 13.1808



0.4423, 0.2176, 0.4909

Previews

White Background



This preview shows how the XYZ color 21.2571, 17.7604, 40.8358 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 21.2571, 17.7604, 40.8358 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 21.2571, 17.7604, 40.8358

Background



This preview shows how black text looks on a background with the XYZ color 21.2571, 17.7604, 40.8358.



This preview shows how white text looks on a background with the XYZ color 21.2571, 17.7604,

40.8358.

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

21.2571, 17.7604, 40.8358

Protanopia

18.8859, 17.9087, 44.5808

Deuteranopia

18.2307, 17.8422, 40.0191



Tritanopia

17.4183, 17.8230, 21.9242

Trichromacy



Original Color

21.2571, 17.7604, 40.8358

Protanomaly

19.5954, 17.8093, 42.9622

Deuteranomaly

19.1133, 17.6164, 40.4231

Tritanomaly

18.5618, 17.6063, 28.0112

Monochromacy



Original Color

21.2571, 17.7604, 40.8358

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.9593, 18.3365, 26.9661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2571, 17.7604, 40.8358 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(127, 106, 171)` looks like.

```
.text, #text, p{  
    color:rgb(127, 106, 171)  
}
```

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(127, 106, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 106, 171) }
```

Border

The CSS property to change the border of an element to XYZ 21.2571, 17.7604, 40.8358 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(127, 106, 171) }
```


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

```
.border{ border-color:rgb(127, 106, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 106, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 106, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 106, 171);  
box-shadow:4px 4px 4px 4px rgb(127, 106,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2571, 17.7604, 40.8358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 106, 171) }
```

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

```
.background{ background-color: rgb(127,  
106, 171) }
```

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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