

Converting Colors

XYZ(21.7629, 20.7460, 41.2560)

Have a look what the booklet for
XYZ(21.7629, 20.7460, 41.2560)
contains.

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Color

**XYZ(21.7814, 20.7109,
41.3777)**

Conversions

Conversions Part 1

Format	Color
Hex	767AAB
RGB	118, 122, 171
RGB Percent	46%, 48%, 67%
CMY	0.5372, 0.5216, 0.3294
CMYK	0.31, 0.29, 0.00, 0.33
HSL	235°, 24%, 57%
HSV	235°, 31%, 67%
XYZ	21.7814, 20.7109, 41.3777
YIQ	126.3900, -18.1130, 14.3910

Conversions

Conversions Part 2

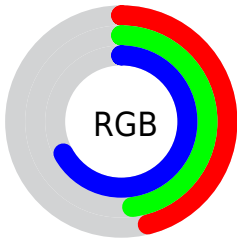
Format	Color
R _Y B	118, 122, 171
Decimal	7764651
CIE _{Lab}	52.63, 10.15, -26.54
CIE _{LCh}	53, 28.410, 290.930
Y _{xy}	20.7109, 0.2597, 0.2469
Android (android.graphics.Color)	4285954731 (0xFF767AAB)
Y _{UV}	126.3900, 21.9927, -7.3580
Hunter-Lab	45.5092, 5.7916, -22.0509

Details

The XYZ color **21.7814, 20.7109, 41.3777** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.8836, 37.6036, 22.6125**, and the grayscale version is **19.8963, 20.9325, 22.7955**.

A 20% lighter version of the original color is **45.7958, 44.4761, 78.8441**, and **8.1624, 7.4584, 18.4622** is the 20% darker color. If you saturate the color by 10%, you get **17.8806, 16.0493, 40.6839**, and if you desaturate by 10%, it is **26.4204, 26.2227, 42.1974**.

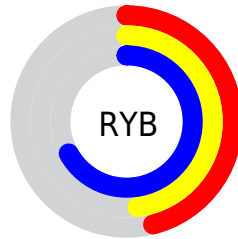
Distribution



Red (46%)

Green (48%)

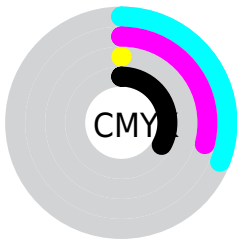
Blue (67%)



Red (46%)

Yellow (48%)

Blue (67%)

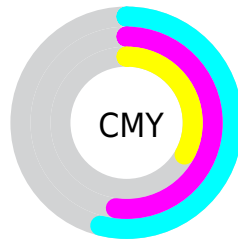


Cyan (31%)

Magenta (29%)

Yellow (0%)

Black (33%)



Cyan (54%)

Magenta (52%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7814, 20.7109, 41.3777 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 21.7814, 20.7109, 41.3777 by changing the saturation by 10% instead.

■ 21.7814, 20.7109,
41.3777

■ 21.7814, 20.7109,
41.3777

254.0564,
255.7381, 367.6200

■ 13.8121, 12.9128,
28.2924

■ 45.8660, 44.6059,
78.5168

■ 8.0709, 7.3686,
18.3052

■ 62.7119, 61.4716,
103.4077

■ 4.1925, 3.6936,
10.9977

■ 83.2475, 82.1287,
133.0709

■ 1.8116, 1.5037,
5.9511

107.8380,
106.9615, 167.9249

■ 0.5247, 0.2913,
2.7471

136.8488,
136.3545, 208.3883

■ 0.0000, 0.0000,
0.9670

170.6452,

■ 0.0000, 0.0000,

170.6919, 254.8796

0.0000

209.5926,
210.3583, 307.8173

■ 21.7814, 20.7109,
41.3777

■ 21.7814, 20.7109,
41.3777

■ 17.8806, 16.0493,
40.6839

■ 26.4204, 26.2227,
42.1974

■ 14.6778, 12.1933,
40.1084

■ 31.8307, 32.6216,
43.1474

■ 12.1324, 9.0977,
39.6451

■ 38.0461, 39.9452,
44.2334

■ 10.1985, 6.7122,
39.2865

■ 45.0975, 48.2282,
45.4605

■ 8.8244, 4.9800,
39.0246

■ 53.0145, 57.5036,
46.8336

■ 7.9497, 3.8359,
38.8499

■ 61.8250, 67.8028,
48.3572

■ 7.4935, 3.2258,
38.7562

■ 71.5558, 79.1558,
50.0357

■ 82.2324, 91.5913,
51.8732

■ 84.3508, 95.7203,
52.5586

Harmonies

Analogous

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



18.8045, 20.7109, 42.6934



21.7814, 20.7109, 41.3777



24.4247, 20.7109, 34.4150

Triad

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



21.7814, 20.7109, 41.3777



23.4803, 20.7109, 12.1448



14.5989, 20.7109, 20.0859

Complementary

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



21.7814, 20.7109, 41.3777



33.8836, 37.6036, 22.6125

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.



15.6021, 20.7109, 13.7845



21.7814, 20.7109, 41.3777



20.5927, 20.7109, 10.0134

Square

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



21.7814, 20.7109, 41.3777



25.4716, 20.7109, 17.2317



17.7278, 20.7109, 10.5276



14.8488, 20.7109, 28.8649

Rectangle

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



21.7814, 20.7109, 41.3777



25.5465, 20.7109, 28.2845



17.7278, 20.7109, 10.5276



14.7967, 20.7109, 17.6493

Sweetspot

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



21.7821, 20.7117, 41.3782



58.9386, 60.7028, 77.6123



28.9712, 35.7525, 41.7320



12.8089, 13.1421, 17.2493



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.



21.7821, 20.7117, 41.3782



34.2134, 31.3669, 73.2531



24.6589, 21.4805, 41.3749



7.6257, 7.8507, 10.0661



5.6651, 2.4641, 29.2216



0.1730, 0.0993, 0.8180

Inverse Universe

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



26.7864, 23.0206, 21.4448



44.6074, 36.2678, 31.8278



30.2127, 36.8160, 22.6540



8.0289, 8.0248, 8.4628



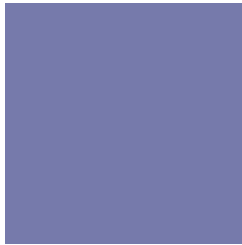
12.7231, 6.5518, 0.9216



0.3617, 0.1854, 0.0665

Previews

White Background



This preview shows how the XYZ color 21.7814, 20.7109, 41.3777 looks on a white background.

Color Contrast Check

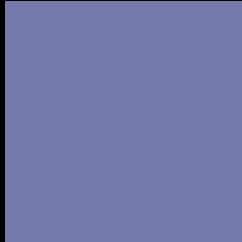
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7814, 20.7109, 41.3777 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 21.7814, 20.7109, 41.3777

Background



This preview shows how black text looks on a background with the XYZ color 21.7814, 20.7109, 41.3777.



This preview shows how white text looks on a background with the XYZ color 21.7814, 20.7109,

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

21.7814, 20.7109, 41.3777

Protanopia

21.2096, 20.7734, 41.9215

Deuteranopia

21.2404, 20.8003, 41.4234



Tritanopia

18.8622, 20.6528, 27.0370

Trichromacy



Original Color

21.7814, 20.7109, 41.3777

Protanomaly

21.4688, 20.7219, 41.8979

Deuteranomaly

21.3731, 20.6836, 41.3939

Tritanomaly

19.9053, 20.7011, 31.8008

Monochromacy



Original Color

21.7814, 20.7109, 41.3777

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.3845, 20.8312, 28.5376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7814, 20.7109, 41.3777 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(118, 122, 171)` looks like.

```
.text, #text, p{  
    color:rgb(118, 122, 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(118, 122, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 122, 171) }
```

Border

The CSS property to change the border of an element to XYZ 21.7814, 20.7109, 41.3777 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(118, 122, 171) }
```


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

```
.border{ border-color:rgb(118, 122, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 122, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 122, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 122, 171);  
box-shadow:4px 4px 4px 4px rgb(118, 122,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7814, 20.7109, 41.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 122, 171) }
```

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

```
.background{ background-color: rgb(118,  
122, 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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