

Converting Colors

XYZ(22.7857, 21.8202, 44.0854)

Have a look what the booklet for
XYZ(22.7857, 21.8202, 44.0854)
contains.

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Color

**XYZ(22.7778, 21.7238,
44.0669)**

Conversions

Conversions Part 1

Format	Color
Hex	777DB0
RGB	119, 125, 176
RGB Percent	47%, 49%, 69%
CMY	0.5333, 0.5098, 0.3098
CMYK	0.32, 0.29, 0.00, 0.31
HSL	234°, 27%, 58%
HSV	234°, 32%, 69%
XYZ	22.7778, 21.7238, 44.0669
YIQ	129.0200, -19.9470, 14.5890

Conversions

Conversions Part 2

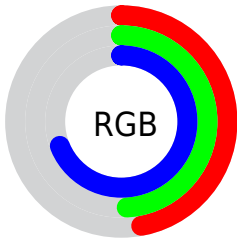
Format	Color
R _Y B	119, 124, 176
Decimal	7830960
CIE Lab	53.73, 10.00, -27.71
CIE LCh	54, 29.458, 289.842
Yxy	21.7238, 0.2572, 0.2453
Android (android.graphics.Color)	4286021040 (0xFF777DB0)
YUV	129.0200, 23.1611, -8.7875
Hunter-Lab	46.6088, 5.6679, -23.4304

Details

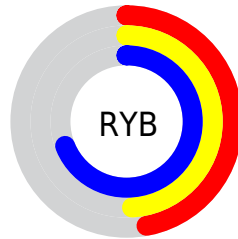
The XYZ color **22.7778, 21.7238, 44.0669** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **35.6093, 39.3116, 23.1645**, and the grayscale version is **20.8003, 21.8836, 23.8312**.

A 20% lighter version of the original color is **47.5212, 46.1547, 82.7480**, and **8.5435, 7.8279, 19.7995** is the 20% darker color. If you saturate the color by 10%, you get **18.7444, 16.9165, 43.3520**, and if you desaturate by 10%, it is **27.5760, 27.3955, 44.9091**.

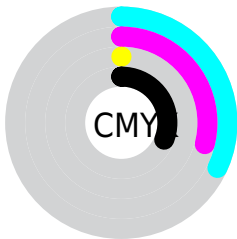
Distribution



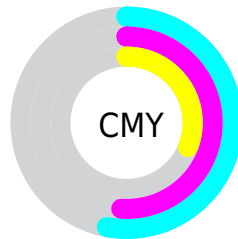
- Red (47%)
- Green (49%)
- Blue (69%)



- Red (47%)
- Yellow (49%)
- Blue (69%)



- Cyan (32%)
- Magenta (29%)
- Yellow (0%)
- Black (31%)



- Cyan (53%)
- Magenta (51%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7778, 21.7238, 44.0669 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 22.7778, 21.7238, 44.0669 by changing the saturation by 10% instead.

■ 22.7778, 21.7238,
44.0669

■ 22.7778, 21.7238,
44.0669

259.1384,
261.1005, 379.0305

■ 14.5493, 13.6541,
30.3855

■ 47.4976, 46.2891,
82.6220

■ 8.5879, 7.8805,
19.8769

■ 64.7196, 63.5534,
108.3327

■ 4.5284, 4.0186,
12.1224

■ 85.6701, 84.6515,
138.8903

■ 2.0052, 1.6840,
6.7035

110.7145,
109.9675, 174.7134

■ 0.6369, 0.4132,
3.2018

140.2182,
139.8861, 216.2204

■ 0.0000, 0.0000,
1.1986

174.5465,

■ 0.0000, 0.0000,

174.7915, 263.8299

0.0000

214.0648,
215.0682, 317.9604

■ 22.7778, 21.7238,
44.0669

■ 22.7778, 21.7238,
44.0669

■ 18.7444, 16.9165,
43.3520

■ 27.5760, 27.3955,
44.9091

■ 15.4341, 12.9286,
42.7567

■ 33.1735, 33.9686,
45.8829

■ 12.8044, 9.7148,
42.2750

■ 39.6055, 41.4810,
46.9939

■ 10.8074, 7.2245,
41.8995

■ 46.9041, 49.9677,
48.2473

■ 9.3891, 5.4009,
41.6223

■ 55.1001, 59.4619,
49.6479

■ 8.4861, 4.1784,
41.4339

■ 64.2225, 69.9952,
51.2002

■ 8.0615, 3.5846,
41.3417

■ 74.2991, 81.5978,
52.9087

■ 83.5675, 93.3764,
54.6937

■ 84.8365, 95.9146,
55.1167

Harmonies

Analogous

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



19.5955, 21.7238, 45.2272



22.7778, 21.7238, 44.0669



25.6439, 21.7238, 36.7312

Triad

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



22.7778, 21.7238, 44.0669



24.8156, 21.7238, 12.6984



15.2300, 21.7238, 20.7178

Complementary

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



22.7778, 21.7238, 44.0669



35.6093, 39.3116, 23.1645

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.



16.3468, 21.7238, 14.1193



22.7778, 21.7238, 44.0669



21.7371, 21.7238, 10.3351

Square

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



22.7778, 21.7238, 44.0669



26.9010, 21.7238, 18.2291



18.6549, 21.7238, 10.7787



15.4476, 21.7238, 30.0595

Rectangle

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



22.7778, 21.7238, 44.0669



26.8873, 21.7238, 30.1653



18.6549, 21.7238, 10.7787



15.4570, 21.7238, 18.1536

Sweetspot

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



22.7785, 21.7246, 44.0674



62.6115, 64.4701, 83.6393



30.3279, 37.8508, 43.4166



13.2384, 13.5850, 18.0688



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



22.7785, 21.7246, 44.0674



35.8409, 32.8876, 78.9542



25.3929, 21.9785, 43.9786



8.1116, 8.3694, 10.6943



5.9367, 2.6737, 30.3402



0.2101, 0.1306, 0.9624

Inverse Universe

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



28.2036, 23.9051, 22.5306



47.3085, 37.6784, 33.3883



32.2106, 39.2678, 23.3351



8.5315, 8.5193, 9.0314



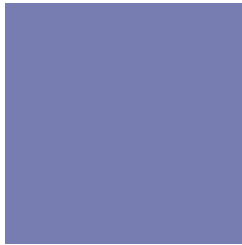
13.2312, 6.8100, 1.1116



0.4280, 0.2190, 0.0968

Previews

White Background



This preview shows how the XYZ color 22.7778, 21.7238, 44.0669 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 22.7778, 21.7238, 44.0669 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 22.7778, 21.7238, 44.0669

Background



This preview shows how black text looks on a background with the XYZ color 22.7778, 21.7238, 44.0669.



This preview shows how white text looks on a background with the XYZ color 22.7778, 21.7238,

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

22.7778, 21.7238, 44.0669

Protanopia

22.3352, 21.8638, 44.6379

Deuteranopia

22.3653, 21.8907, 44.1209



Tritanopia

19.6809, 21.6303, 28.7290

Trichromacy



Original Color

22.7778, 21.7238, 44.0669

Protanomaly

22.4669, 21.7409, 44.6072

Deuteranomaly

22.4998, 21.7693, 44.0903

Tritanomaly

20.7532, 21.6784, 33.6624

Monochromacy



Original Color

22.7778, 21.7238, 44.0669

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.3649, 21.8736, 30.2901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7778, 21.7238, 44.0669 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(119, 125, 176)` looks like.

```
.text, #text, p{  
    color:rgb(119, 125, 176)  
}
```

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(119, 125, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 125, 176) }
```

Border

The CSS property to change the border of an element to XYZ 22.7778, 21.7238, 44.0669 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(119, 125, 176) }
```


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

```
.border{ border-color:rgb(119, 125, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 125, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 125, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 125, 176);  
box-shadow:4px 4px 4px 4px rgb(119, 125,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7778, 21.7238, 44.0669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 125, 176) }
```

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

```
.background{ background-color: rgb(119,  
125, 176) }
```

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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