

Converting Colors

XYZ(21.8789, 17.9107, 44.4239)

Have a look what the booklet for
XYZ(21.8789, 17.9107, 44.4239)
contains.

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Color

**XYZ(21.8399, 17.8295,
44.4098)**

Conversions

Conversions Part 1

Format	Color
Hex	7F69B2
RGB	127, 105, 178
RGB Percent	50%, 41%, 70%
CMY	0.5019, 0.5882, 0.3020
CMYK	0.29, 0.41, 0.00, 0.30
HSL	258°, 32%, 55%
HSV	258°, 41%, 70%
XYZ	21.8399, 17.8295, 44.4098
YIQ	119.9000, -10.3210, 27.3670

Conversions

Conversions Part 2

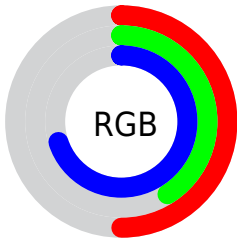
Format	Color
RYB	127, 105, 178
Decimal	8350130
CIELab	49.29, 24.83, -35.75
CIELCh	49, 43.532, 304.781
Yxy	17.8295, 0.2598, 0.2121
Android (android.graphics.Color)	4286540210 (0xFF7F69B2)
YUV	119.9000, 28.6433, 6.2267
Hunter-Lab	42.2250, 18.4313, -32.8003

Details

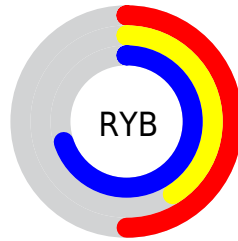
The XYZ color **21.8399, 17.8295, 44.4098** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.1806, 39.9288, 19.3761**, and the grayscale version is **17.7350, 18.6586, 20.3192**.

A 20% lighter version of the original color is **45.7958, 39.5412, 83.0604**, and **8.0664, 5.9028, 20.1162** is the 20% darker color. If you saturate the color by 10%, you get **18.4740, 13.6791, 43.7864**, and if you desaturate by 10%, it is **25.8152, 22.8580, 45.1712**.

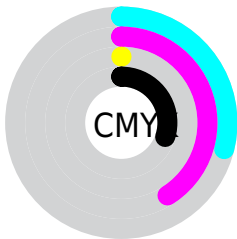
Distribution



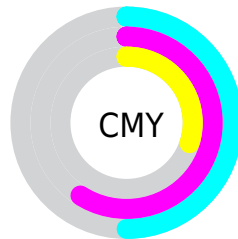
- Red (50%)
- Green (41%)
- Blue (70%)



- Red (50%)
- Yellow (41%)
- Blue (70%)



- Cyan (29%)
- Magenta (41%)
- Yellow (0%)
- Black (30%)



- Cyan (50%)
- Magenta (59%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8399, 17.8295, 44.4098 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 21.8399, 17.8295, 44.4098 by changing the saturation by 10% instead.

■ 21.8399, 17.8295,
44.4098

■ 21.8399, 17.8295,
44.4098

254.3572,
239.9083, 380.4681

■ 13.8553, 10.8276,
30.6532

■ 45.9621, 39.7466,
83.1431

■ 8.1011, 5.9511,
20.0787

■ 62.8303, 55.4306,
108.9569

■ 4.2120, 2.8153,
12.2676

■ 83.3904, 74.7775,
139.6269

■ 1.8228, 1.0361,
6.8015

■ 108.0078, 98.1716,
175.5715

■ 0.5313, 0.0000,
3.2617

137.0479,
125.9973, 217.2095

■ 0.0000, 0.0000,
1.2298

170.8758,

■ 0.0000, 0.0000,

158.6391, 264.9592

0.0032

209.8572,
196.4813, 319.2392

■ 0.0000, 0.0000,
0.0000

■ 21.8399, 17.8295,
44.4098

■ 21.8399, 17.8295,
44.4098

■ 18.4740, 13.6791,
43.7864

■ 25.8152, 22.8580,
45.1712

■ 15.6834, 10.3528,
43.2914

■ 30.4275, 28.8102,
46.0770

■ 13.4333, 7.7935,
42.9160

■ 35.7052, 35.7310,
47.1347

■ 11.6840, 5.9358,
42.6497

■ 41.6742, 43.6615,
48.3508

■ 10.3897, 4.7029,
42.4799

■ 48.3591, 52.6408,
49.7317

■ 9.5384, 3.9889,
42.3870

■ 55.7831, 62.7055,
51.2831

■ 63.9684, 73.8906,
53.0106

■ 72.9364, 86.2297,
54.9196

■ 79.3658, 93.0713,
55.9013

Harmonies

Analogous

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



17.6103, 17.8295, 51.6179



21.8399, 17.8295, 44.4098



25.1031, 17.8295, 30.6780

Triad

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



21.8399, 17.8295, 44.4098



20.5229, 17.8295, 5.3349



10.2555, 17.8295, 21.3514

Complementary

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



21.8399, 17.8295, 44.4098



32.1806, 39.9288, 19.3761

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.



10.7810, 17.8295, 11.3112



21.8399, 17.8295, 44.4098



16.2994, 17.8295, 4.5075

Square

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



21.8399, 17.8295, 44.4098



24.2610, 17.8295, 9.1914



12.8446, 17.8295, 6.1682



11.2731, 17.8295, 35.3034

Rectangle

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



21.8399, 17.8295, 44.4098



26.0464, 17.8295, 21.5351



12.8446, 17.8295, 6.1682



10.2593, 17.8295, 17.4356

Sweetspot

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



21.8406, 17.8302, 44.4102



63.5376, 63.1977, 85.2308



25.7673, 30.0286, 46.5578



13.7938, 13.6287, 18.8258



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.8406, 17.8302, 44.4102



34.1561, 25.6023, 79.5227



28.2742, 21.1468, 44.7113



8.2748, 8.3502, 10.6819



6.8816, 2.8834, 30.3308



0.2771, 0.1220, 0.9572

Inverse Universe

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



29.4127, 21.9689, 34.1425



49.9819, 34.2697, 57.2739



26.1610, 36.8256, 19.0944



8.7388, 8.6022, 10.1227



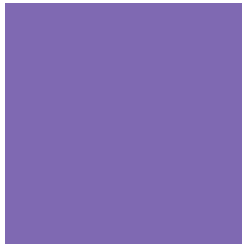
15.7848, 7.8315, 14.5586



0.5210, 0.2562, 0.5863

Previews

White Background



This preview shows how the XYZ color 21.8399, 17.8295, 44.4098 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 21.8399, 17.8295, 44.4098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

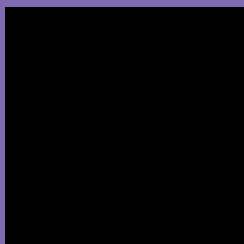
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8399, 17.8295, 44.4098

Background



This preview shows how black text looks on a background with the XYZ color 21.8399, 17.8295, 44.4098.



This preview shows how white text looks on a background with the XYZ color 21.8399, 17.8295,

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

21.8399, 17.8295, 44.4098

Protanopia

19.3168, 18.0230, 49.4744

Deuteranopia

18.5121, 18.0813, 43.5886



Tritanopia

17.3474, 17.7790, 22.2561

Trichromacy



Original Color

21.8399, 17.8295, 44.4098

Protanomaly

19.9297, 17.7131, 47.7160

Deuteranomaly

19.5499, 17.9276, 44.0250

Tritanomaly

18.7902, 17.6976, 29.2137

Monochromacy



Original Color

21.8399, 17.8295, 44.4098

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.1068, 18.3955, 27.7430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8399, 17.8295, 44.4098 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, 105, 178)` looks like.

```
.text, #text, p{  
    color:rgb(127, 105, 178)  
}
```

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, 105, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 105, 178) }
```

Border

The CSS property to change the border of an element to XYZ 21.8399, 17.8295, 44.4098 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, 105, 178) }
```


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

```
.border{ border-color:rgb(127, 105, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 105, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 105, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 105, 178);  
box-shadow:4px 4px 4px 4px rgb(127, 105,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8399, 17.8295, 44.4098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 105, 178) }
```

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

```
.background{ background-color: rgb(127,  
105, 178) }
```

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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