

Converting Colors

XYZ(22.7449, 17.3003, 49.7175)

Have a look what the booklet for
XYZ(22.7449, 17.3003, 49.7175)
contains.

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Color

**XYZ(22.7449, 17.3003,
49.7175)**

Conversions

Conversions Part 1

Format	Color
Hex	8263BC
RGB	130, 99, 188
RGB Percent	51%, 39%, 74%
CMY	0.4902, 0.6118, 0.2627
CMYK	0.31, 0.47, 0.00, 0.26
HSL	261°, 40%, 56%
HSV	261°, 47%, 74%
XYZ	22.7449, 17.3003, 49.7175
YIQ	118.4150, -10.0930, 34.2510

Conversions

Conversions Part 2

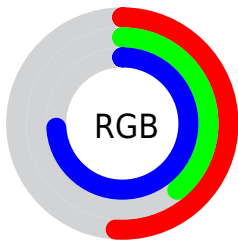
Format	Color
R_{YB}	130, 99, 188
Decimal	8545212
CIE _{Lab}	48.64, 31.82, -42.57
CIE _{LCh}	49, 53.144, 306.776
Yxy	17.3003, 0.2534, 0.1927
Android (android.graphics.Color)	4286735292 (0xFF8263BC)
YUV	118.4150, 34.3054, 10.1600
Hunter-Lab	41.5936, 24.8214, -41.7547

Details

The XYZ color **22.7449, 17.3003, 49.7175** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **34.1401, 44.0356, 18.5052**, and the grayscale version is **17.2485, 18.1468, 19.7618**.

A 20% lighter version of the original color is **47.3954, 38.7196, 91.3618**, and **8.5475, 5.6667, 23.1975** is the 20% darker color. If you saturate the color by 10%, you get **19.3982, 13.2320, 49.1089**, and if you desaturate by 10%, it is **26.7313, 22.3144, 50.4755**.

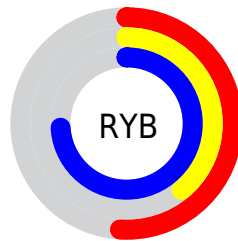
Distribution



Red (51%)

Green (39%)

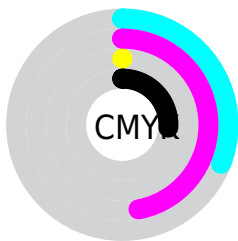
Blue (74%)



Red (51%)

Yellow (39%)

Blue (74%)

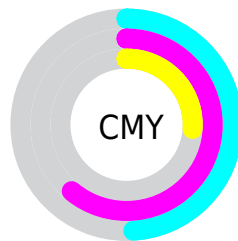


Cyan (31%)

Magenta (47%)

Yellow (0%)

Black (26%)



Cyan (49%)

Magenta (61%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7449, 17.3003, 49.7175 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 22.7449, 17.3003, 49.7175 by changing the saturation by 10% instead.

■ 22.7449, 17.3003,
49.7175

■ 22.7449, 17.3003,
49.7175

258.9719,
236.8970, 402.2635

■ 14.5249, 10.4488,
34.8194

■ 47.4439, 38.8414,
91.1482

■ 8.5708, 5.6975,
23.2413

■ 64.6535, 54.2998,
118.5178

■ 4.5171, 2.6621,
14.5648

■ 85.5905, 73.3959,
150.8816

■ 1.9987, 0.9580,
8.3713

■ 110.6201, 96.5143,
188.6583

■ 0.6332, 0.0000,
4.2423

140.1077,
124.0391, 232.2663

■ 0.0000, 0.0000,
1.7592

174.4186,

■ 0.0000, 0.0000,

156.3550, 282.1241

0.4008

213.9182,
193.8461, 338.6503

■ 0.0000, 0.0000,
0.0000

■ 22.7449, 17.3003,
49.7175

■ 22.7449, 17.3003,
49.7175

■ 19.3982, 13.2320,
49.1089

■ 26.7313, 22.3144,
50.4755

■ 16.6521, 10.0450,
48.6385

■ 31.3893, 28.3290,
51.3910

■ 14.4661, 7.6700,
48.2953

■ 36.7506, 35.3966,
52.4726

■ 12.7929, 6.0252,
48.0660

■ 42.8447, 43.5658,
53.7282

■ 11.5677, 4.9954,
47.9318

■ 49.6989, 52.8818,
55.1651

■ 11.2895, 4.7714,
47.9033

■ 57.3393, 63.3874,
56.7902

■ 65.7907, 75.1231,
58.6100

■ 75.0767, 88.1274,
60.6306

■ 80.8625, 93.7226,
61.4057

Harmonies

Analogous

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



17.5789, 17.3003, 60.2708



22.7449, 17.3003, 49.7175



26.6952, 17.3003, 31.5871

Triad

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



22.7449, 17.3003, 49.7175



20.4400, 17.3003, 3.3394



8.7575, 17.3003, 22.1993

Complementary

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



22.7449, 17.3003, 49.7175



34.1401, 44.0356, 18.5052

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.



9.2233, 17.3003, 10.0835



22.7449, 17.3003, 49.7175



15.3579, 17.3003, 2.7485

Square

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



22.7449, 17.3003, 49.7175



25.1907, 17.3003, 6.8709



11.4287, 17.3003, 4.4468



9.9993, 17.3003, 40.0162

Rectangle

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



22.7449, 17.3003, 49.7175



27.7412, 17.3003, 20.3935



11.4287, 17.3003, 4.4468



8.7241, 17.3003, 17.3620

Sweetspot

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



22.7456, 17.3010, 49.7179



69.8953, 68.5380, 95.7715



26.5069, 30.8516, 52.1352



14.5361, 14.0789, 20.4939



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



22.7456, 17.3010, 49.7179



34.8310, 23.5946, 88.9446



30.8098, 21.4582, 50.0953



9.3215, 9.3826, 11.9919



7.7596, 3.2863, 32.6182



0.3756, 0.1657, 1.2810

Inverse Universe

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



31.2869, 22.0498, 34.5050



52.6510, 33.5279, 56.0374



27.1535, 40.4339, 18.1782



9.7849, 9.6383, 11.2565



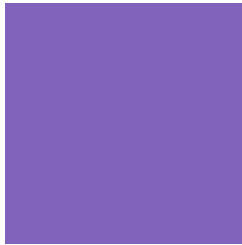
16.5698, 8.2591, 13.5603



0.6788, 0.3354, 0.6880

Previews

White Background



This preview shows how the XYZ color 22.7449, 17.3003, 49.7175 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 22.7449, 17.3003, 49.7175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

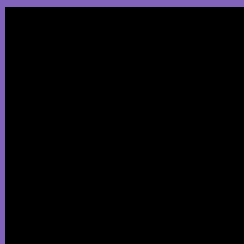
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.7449, 17.3003, 49.7175

Background



This preview shows how black text looks on a background with the XYZ color 22.7449, 17.3003, 49.7175.



This preview shows how white text looks on a background with the XYZ color 22.7449, 17.3003,

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

22.7449, 17.3003, 49.7175

Protanopia

19.4282, 17.5638, 57.6245

Deuteranopia

17.8776, 17.4880, 47.7807



Tritanopia

16.9286, 17.2466, 21.1756

Trichromacy



Original Color

22.7449, 17.3003, 49.7175

Protanomaly

20.1502, 17.1974, 54.4820

Deuteranomaly

19.1568, 17.1414, 48.1979

Tritanomaly

18.7611, 17.1814, 29.9313

Monochromacy



Original Color

22.7449, 17.3003, 49.7175

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.6684, 17.4896, 28.3785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7449, 17.3003, 49.7175 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(130, 99, 188)` looks like.

```
.text, #text, p{  
    color:rgb(130, 99, 188)  
}
```

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(130, 99, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 99, 188) }
```

Border

The CSS property to change the border of an element to XYZ 22.7449, 17.3003, 49.7175 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(130, 99, 188) }
```


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

```
.border{ border-color:rgb(130, 99, 188) }
```

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

Here you see how a box with a 4 pixel rgb(130, 99, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 99, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 99, 188);  
box-shadow:4px 4px 4px 4px rgb(130, 99,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7449, 17.3003, 49.7175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 99, 188) }
```

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

```
.background{ background-color: rgb(130, 99,  
188) }
```

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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