

Converting Colors

XYZ(18.2322, 15.8141, 23.0072)

Have a look what the booklet for
XYZ(18.2322, 15.8141, 23.0072)
contains.

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Color

**XYZ(18.2890, 15.8789,
22.8699)**

Conversions

Conversions Part 1

Format	Color
Hex	856581
RGB	133, 101, 129
RGB Percent	52%, 40%, 51%
CMY	0.4784, 0.6039, 0.4941
CMYK	0.00, 0.24, 0.03, 0.48
HSL	308°, 14%, 46%
HSV	308°, 24%, 52%
XYZ	18.2890, 15.8789, 22.8699
YIQ	113.7600, 10.0840, 15.4920

Conversions

Conversions Part 2

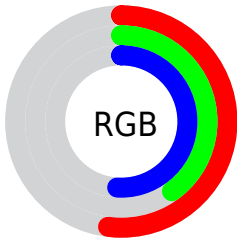
Format	Color
R_{YB}	133, 101, 129
Decimal	8742273
CIE _{Lab}	46.82, 17.91, -10.58
CIE _{LCh}	47, 20.799, 329.412
Yxy	15.8789, 0.3206, 0.2784
Android (android.graphics.Color)	4286932353 (0xFF856581)
YUV	113.7600, 7.5133, 16.8735
Hunter-Lab	39.8483, 12.1907, -6.1341

Details

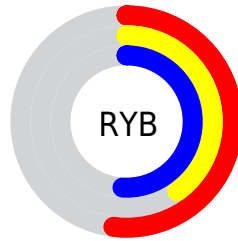
The XYZ color **18.2890, 15.8789, 22.8699** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **16.3048, 20.5621, 16.4750**, and the grayscale version is **15.8989, 16.7269, 18.2156**.

A 20% lighter version of the original color is **39.9214, 36.2730, 49.1533**, and **6.3344, 5.0565, 8.2316** is the 20% darker color. If you saturate the color by 10%, you get **16.9912, 13.4586, 21.8966**, and if you desaturate by 10%, it is **19.7985, 18.7194, 23.9230**.

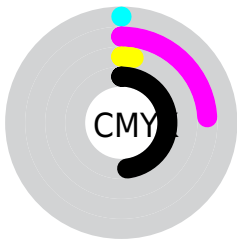
Distribution



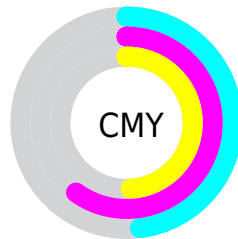
- Red (52%)
- Green (40%)
- Blue (51%)



- Red (52%)
- Yellow (40%)
- Blue (51%)



- Cyan (0%)
- Magenta (24%)
- Yellow (3%)
- Black (48%)



- Cyan (48%)
- Magenta (60%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2890, 15.8789, 22.8699 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 18.2890, 15.8789, 22.8699 by changing the saturation by 10% instead.

■ 18.2890, 15.8789,
22.8699

■ 18.2890, 15.8789,
22.8699

235.5092,
228.6261, 280.1563

■ 11.2586, 9.4385,
14.2931

■ 40.0554, 36.3878,
49.1001

■ 6.3096, 5.0283,
8.1837

■ 55.5221, 51.2252,
67.5906

■ 3.0767, 2.2639,
4.1233

■ 74.5317, 69.6303,
90.2226

■ 1.1945, 0.7545,
1.6932

■ 97.4494, 91.9875,
117.4149

■ 0.1020, 0.0000,
0.3561

124.6406,
118.6813, 149.5858

■ 0.0000, 0.0000,
0.0000

156.4708,

150.0961, 187.1540

193.3052,
186.6162, 230.5380

■ 18.2890, 15.8789,
22.8699

■ 18.2890, 15.8789,
22.8699

■ 16.9912, 13.4586,
21.8966

■ 19.7985, 18.7194,
23.9230

■ 15.8937, 11.4362,
20.9987

■ 21.5277, 21.9966,
25.0581

■ 14.9861, 9.7907,
20.1729

■ 23.4859, 25.7288,
26.2784

■ 14.2565, 8.4983,
19.4152

■ 25.6814, 29.9327,
27.5869

■ 13.6915, 7.5324,
18.7211

■ 28.1221, 34.6241,
28.9861

■ 13.2762, 6.8629,
18.0855

■ 30.8155, 39.8180,
30.4787

■ 12.9910, 6.4511,
17.5019

■ 33.7688, 45.5288,
32.0670

■ 12.8472, 6.2563,
17.1678

■ 36.9890, 51.7703,
33.7534

■ 40.4827, 58.5558,
35.5402

Harmonies

Analogous

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



16.8658, 15.8789, 27.4995



18.2890, 15.8789, 22.8699



18.8445, 15.8789, 17.3919

Triad

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



18.2890, 15.8789, 22.8699



15.1282, 15.8789, 9.1190



12.2607, 15.8789, 22.6571

Complementary

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



18.2890, 15.8789, 22.8699



16.3048, 20.5621, 16.4750

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.



11.8747, 15.8789, 17.1874



18.2890, 15.8789, 22.8699



13.4480, 15.8789, 9.9827

Square

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



18.2890, 15.8789, 22.8699



16.9324, 15.8789, 10.0538



12.2919, 15.8789, 12.6997



13.3908, 15.8789, 27.3604

Rectangle

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



18.2890, 15.8789, 22.8699



18.6163, 15.8789, 14.1855



12.2919, 15.8789, 12.6997



12.0439, 15.8789, 20.8159

Sweetspot

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



18.2895, 15.8796, 22.8702



37.5480, 37.4854, 44.2270



14.6825, 13.9888, 24.1168



8.4269, 8.3838, 9.9429



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



18.2895, 15.8796, 22.8702



31.4049, 25.9184, 39.9619



17.3228, 15.4929, 17.7797



4.8335, 4.7531, 5.7356



12.2390, 5.9600, 16.3630



0.0441, 0.0213, 0.0659

Inverse Universe

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



18.2895, 15.8796, 22.8702



31.4049, 25.9184, 39.9619



17.1898, 20.9161, 21.1353



4.8335, 4.7531, 5.7356



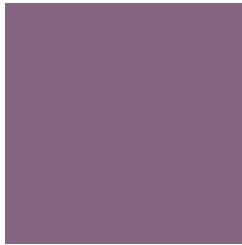
12.2390, 5.9600, 16.3630



0.0441, 0.0213, 0.0659

Previews

White Background



This preview shows how the XYZ color 18.2890, 15.8789, 22.8699 looks on a white background.

Color Contrast Check

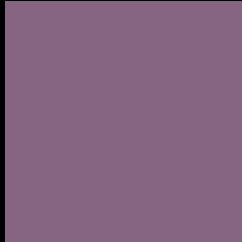
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2890, 15.8789, 22.8699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

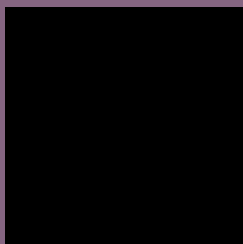
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.2890, 15.8789, 22.8699

Background



This preview shows how black text looks on a background with the XYZ color 18.2890, 15.8789, 22.8699.



This preview shows how white text looks on a background with the XYZ color 18.2890, 15.8789,

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

18.2890, 15.8789, 22.8699

Protanopia

15.8930, 15.9653, 25.1656

Deuteranopia

16.1983, 15.8610, 22.6298



Tritanopia

17.2350, 15.8958, 17.4890

Trichromacy



Original Color

18.2890, 15.8789, 22.8699

Protanomaly

16.6938, 15.9218, 24.3837

Deuteranomaly

16.8330, 15.7266, 22.5704

Tritanomaly

17.6360, 15.9140, 19.2817

Monochromacy



Original Color

18.2890, 15.8789, 22.8699

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.6836, 16.3341, 19.7262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2890, 15.8789, 22.8699 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(133, 101, 129)` looks like.

```
.text, #text, p{  
    color:rgb(133, 101, 129)  
}
```

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(133, 101, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 101, 129) }
```

Border

The CSS property to change the border of an element to XYZ 18.2890, 15.8789, 22.8699 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(133, 101, 129) }
```


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

```
.border{ border-color:rgb(133, 101, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 101, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 101, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 101, 129);  
box-shadow:4px 4px 4px 4px rgb(133, 101,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2890, 15.8789, 22.8699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 101, 129) }
```

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

```
.background{ background-color: rgb(133,  
101, 129) }
```

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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