

Converting Colors

XYZ(22.7307, 18.3511, 36.5389)

Have a look what the booklet for
XYZ(22.7307, 18.3511, 36.5389)
contains.

XYZ(22.6272, 18.2600, 36.5144)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.6272, 18.2600,
36.5144)**

Conversions

Conversions Part 1

Format	Color
Hex	8E68A2
RGB	142, 104, 162
RGB Percent	56%, 41%, 64%
CMY	0.4431, 0.5921, 0.3647
CMYK	0.12, 0.36, 0.00, 0.36
HSL	279°, 24%, 52%
HSV	279°, 36%, 64%
XYZ	22.6272, 18.2600, 36.5144
YIQ	121.9740, 4.0300, 26.0940

Conversions

Conversions Part 2

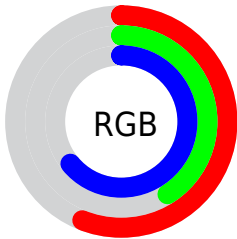
Format	Color
R_{YB}	142, 104, 162
Decimal	9332898
CIE _{Lab}	49.81, 26.22, -25.49
CIE _{LCh}	50, 36.567, 315.814
Yxy	18.2600, 0.2923, 0.2359
Android (android.graphics.Color)	4287522978 (0xFF8E68A2)
YUV	121.9740, 19.7328, 17.5628
Hunter-Lab	42.7317, 19.7384, -20.7513

Details

The XYZ color **22.6272, 18.2600, 36.5144** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.7318, 31.1257, 17.8545**, and the grayscale version is **18.4274, 19.3871, 21.1125**.

A 20% lighter version of the original color is **47.1778, 40.5225, 70.9807**, and **8.5430, 6.1783, 15.4941** is the 20% darker color. If you saturate the color by 10%, you get **20.2161, 14.8248, 35.9787**, and if you desaturate by 10%, it is **25.4008, 22.3480, 37.1576**.

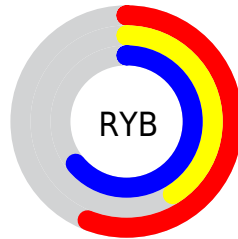
Distribution



Red (56%)

Green (41%)

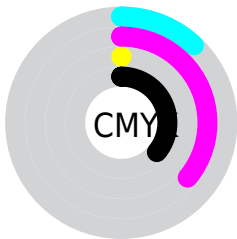
Blue (64%)



Red (56%)

Yellow (41%)

Blue (64%)

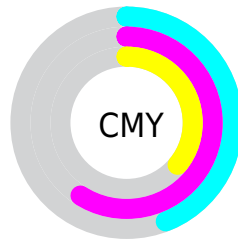


Cyan (12%)

Magenta (36%)

Yellow (0%)

Black (36%)



Cyan (44%)

Magenta (59%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6272, 18.2600, 36.5144 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 22.6272, 18.2600, 36.5144 by changing the saturation by 10% instead.

■ 22.6272, 18.2600,
36.5144

■ 22.6272, 18.2600,
36.5144

258.3756,
242.3325, 346.3085

■ 14.4377, 11.1368,
24.5389

■ 47.2516, 40.4799,
71.0033

■ 8.5094, 6.1589,
15.5180

■ 64.4172, 56.3453,
94.3537

■ 4.4771, 2.9420,
9.0331

■ 85.3056, 75.8937,
122.3329

■ 1.9754, 1.1015,
4.6656

■ 110.2820, 99.5093,
155.3593

■ 0.6201, 0.0000,
1.9972

139.7119,
127.5766, 193.8515

■ 0.0000, 0.0000,
0.5535

173.9605,

■ 0.0000, 0.0000,

160.4800, 238.2281

0.0000

213.3933,
198.6038, 288.9076

■ 22.6272, 18.2600,
36.5144

■ 22.6272, 18.2600,
36.5144

■ 20.2161, 14.8248,
35.9787

■ 25.4008, 22.3480,
37.1576

■ 18.1470, 12.0038,
35.5433

■ 28.5524, 27.1199,
37.9125

■ 16.4000, 9.7577,
35.2018

■ 32.0986, 32.6078,
38.7849

■ 14.9520, 8.0416,
34.9469

■ 36.0544, 38.8408,
39.7795

■ 13.7767, 6.8037,
34.7699

■ 40.4343, 45.8465,
40.9009

■ 12.8388, 5.9749,
34.6593

■ 45.2516, 53.6509,
42.1534

■ 12.4819, 5.6813,
34.6215

■ 50.5193, 62.2790,
43.5411

■ 56.2498, 71.7546,
45.0681

■ 62.4548, 82.1005,
46.7380

Harmonies

Analogous

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



19.2497, 18.2600, 44.7043



22.6272, 18.2600, 36.5144



24.7099, 18.2600, 24.9746

Triad

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



22.6272, 18.2600, 36.5144



19.0529, 18.2600, 6.4622



11.6656, 18.2600, 25.5941

Complementary

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



22.6272, 18.2600, 36.5144



23.7318, 31.1257, 17.8545

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.



11.6277, 18.2600, 15.5336



22.6272, 18.2600, 36.5144



15.5899, 18.2600, 6.5293

Square

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



22.6272, 18.2600, 36.5144



22.4666, 18.2600, 9.0380



12.9738, 18.2600, 9.2684



13.0852, 18.2600, 37.0970

Rectangle

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



22.6272, 18.2600, 36.5144



24.9259, 18.2600, 17.9976



12.9738, 18.2600, 9.2684



11.4980, 18.2600, 21.8937

Sweetspot

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



22.6278, 18.2608, 36.5148



54.6999, 53.6439, 69.5274



19.4765, 20.0430, 37.0249



12.1024, 11.7657, 15.5707



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



22.6278, 18.2608, 36.5148



37.5180, 28.0588, 65.4946



25.6257, 19.8925, 32.7565



7.1261, 7.0793, 8.8939



9.8810, 4.5003, 27.2776



0.2553, 0.1192, 0.5754

Inverse Universe

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



23.4893, 19.0379, 21.5062



39.5137, 29.8004, 33.3852



21.5936, 29.9697, 20.1817



7.1699, 7.1244, 7.8811



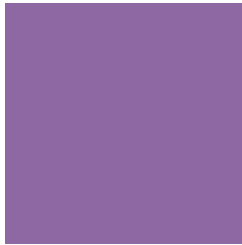
12.3172, 6.2829, 3.5948



0.2804, 0.1406, 0.1891

Previews

White Background



This preview shows how the XYZ color 22.6272, 18.2600, 36.5144 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 22.6272, 18.2600, 36.5144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

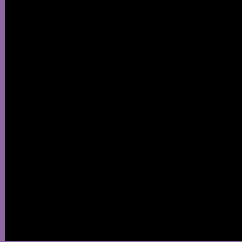
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.6272, 18.2600, 36.5144

Background



This preview shows how black text looks on a background with the XYZ color 22.6272, 18.2600, 36.5144.



This preview shows how white text looks on a background with the XYZ color 22.6272, 18.2600,

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

22.6272, 18.2600, 36.5144

Protanopia

19.1745, 18.4678, 41.5838

Deuteranopia

18.6827, 18.3516, 35.3584



Tritanopia

19.3987, 18.2031, 20.5803

Trichromacy



Original Color

22.6272, 18.2600, 36.5144

Protanomaly

20.0645, 18.1285, 39.4874

Deuteranomaly

19.8851, 18.1195, 35.7071

Tritanomaly

20.3938, 18.1181, 25.7148

Monochromacy



Original Color

22.6272, 18.2600, 36.5144

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.6994, 18.7347, 26.2448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6272, 18.2600, 36.5144 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(142, 104, 162)` looks like.

```
.text, #text, p{  
    color:rgb(142, 104, 162)  
}
```

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(142, 104, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 104, 162) }
```

Border

The CSS property to change the border of an element to XYZ 22.6272, 18.2600, 36.5144 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(142, 104, 162) }
```


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

```
.border{ border-color:rgb(142, 104, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 104, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 104, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 104, 162);  
box-shadow:4px 4px 4px 4px rgb(142, 104,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6272, 18.2600, 36.5144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 104, 162) }
```

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

```
.background{ background-color: rgb(142,  
104, 162) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor