

Converting Colors

XYZ(22.8323, 16.0684, 46.1426)

Have a look what the booklet for
XYZ(22.8323, 16.0684, 46.1426)
contains.

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Color

**XYZ(22.8311, 16.0976,
46.1598)**

Conversions

Conversions Part 1

Format	Color
Hex	8C59B6
RGB	140, 89, 182
RGB Percent	55%, 35%, 71%
CMY	0.4510, 0.6510, 0.2863
CMYK	0.23, 0.51, 0.00, 0.29
HSL	273°, 39%, 53%
HSV	273°, 51%, 71%
XYZ	22.8311, 16.0976, 46.1598
YIQ	114.8510, 0.5430, 39.7350

Conversions

Conversions Part 2

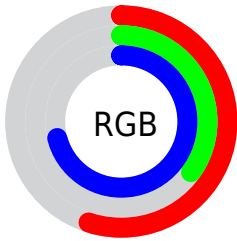
Format	Color
R_{YB}	140, 89, 182
Decimal	9198006
CIE _{Lab}	47.10, 38.82, -41.45
CIE _{LCh}	47, 56.788, 313.126
Yxy	16.0976, 0.2683, 0.1892
Android (android.graphics.Color)	4287388086 (0xFF8C59B6)
YUV	114.8510, 33.1045, 22.0557
Hunter-Lab	40.1218, 31.3613, -40.1274

Details

The XYZ color **22.8311, 16.0976, 46.1598** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **27.8915, 39.0028, 15.5100**, and the grayscale version is **16.1540, 16.9953, 18.5079**.

A 20% lighter version of the original color is **47.5757, 36.6650, 85.4585**, and **8.5856, 5.1023, 20.9544** is the 20% darker color. If you saturate the color by 10%, you get **20.1661, 12.7469, 45.6538**, and if you desaturate by 10%, it is **25.9752, 20.2517, 46.7962**.

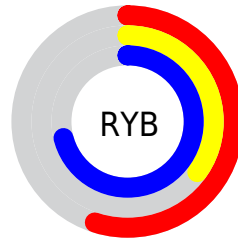
Distribution



Red (55%)

Green (35%)

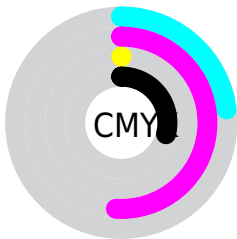
Blue (71%)



Red (55%)

Yellow (35%)

Blue (71%)

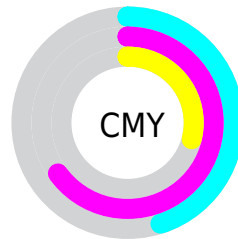


Cyan (23%)

Magenta (51%)

Yellow (0%)

Black (29%)



Cyan (45%)

Magenta (65%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8311, 16.0976, 46.1598 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 22.8311, 16.0976, 46.1598 by changing the saturation by 10% instead.

■ 22.8311, 16.0976,
46.1598

■ 22.8311, 16.0976,
46.1598

259.4079,
229.9169, 387.7470

■ 14.5888, 9.5932,
32.0224

■ 47.5845, 36.7676,
85.7949

■ 8.6158, 5.1301,
21.1136

■ 64.8265, 51.7020,
112.1297

■ 4.5465, 2.3238,
13.0150

■ 85.7990, 70.2151,
143.3673

■ 2.0157, 0.7863,
7.3080

■ 110.8674, 92.6915,
179.9262

■ 0.6428, 0.0000,
3.5741

■ 140.3972,
119.5155, 222.2252

■ 0.0000, 0.0000,
1.3947

174.7536,

■ 0.0000, 0.0000,

151.0715, 270.6826

0.1376

214.3020,
187.7438, 325.7170

■ 0.0000, 0.0000,
0.0000

■ 22.8311, 16.0976,
46.1598

■ 22.8311, 16.0976,
46.1598

■ 20.1661, 12.7469,
45.6538

■ 25.9752, 20.2517,
46.7962

■ 17.9479, 10.1402,
45.2676

■ 29.6240, 25.2588,
47.5703

■ 16.1428, 8.2129,
44.9907

■ 33.8031, 31.1667,
48.4904

■ 14.7103, 6.8876,
44.8104

■ 38.5360, 38.0191,
49.5636

■ 13.6779, 6.0758,
44.7081

■ 43.8445, 45.8567,
50.7966

■ 49.7492, 54.7179,
52.1958

■ 56.2696, 64.6388,
53.7671

■ 63.4242, 75.6539,
55.5161

■ 71.2310, 87.7961,
57.4483

Harmonies

Analogous

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



17.5814, 16.0976, 60.1464



22.8311, 16.0976, 46.1598



26.4255, 16.0976, 26.7625

Triad

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



22.8311, 16.0976, 46.1598



18.2541, 16.0976, 2.1976



7.7363, 16.0976, 24.5283

Complementary

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



22.8311, 16.0976, 46.1598



27.8915, 39.0028, 15.5100

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.



7.8397, 16.0976, 10.7068



22.8311, 16.0976, 46.1598



13.2255, 16.0976, 2.0833

Square

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



22.8311, 16.0976, 46.1598



23.4148, 16.0976, 4.6636



9.6396, 16.0976, 4.1579



9.3175, 16.0976, 43.7809

Rectangle

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



22.8311, 16.0976, 46.1598



27.0031, 16.0976, 16.0731



9.6396, 16.0976, 4.1579



7.5874, 16.0976, 19.0671

Sweetspot

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



22.8317, 16.0982, 46.1602



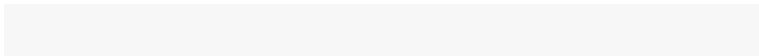
66.1743, 63.5518, 89.0147



20.8694, 22.1131, 47.4246



14.2185, 13.4616, 19.5706



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



22.8317, 16.0982, 46.1602



36.1514, 22.6127, 82.6950



30.9908, 20.3410, 44.8879



8.9791, 8.9556, 11.3348



9.7366, 4.3306, 31.5758



0.4135, 0.1889, 1.1164

Inverse Universe

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



26.9609, 18.7290, 23.6671



45.0007, 28.2319, 35.3433



22.7844, 36.3546, 15.9650



9.1687, 9.0778, 10.2357



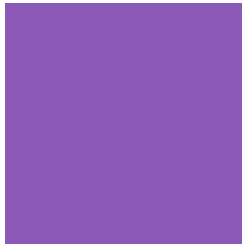
14.7367, 7.4684, 6.5002



0.5508, 0.2758, 0.3938

Previews

White Background



This preview shows how the XYZ color 22.8311, 16.0976, 46.1598 looks on a white background.

Color Contrast Check

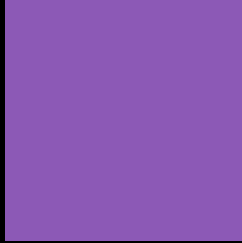
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8311, 16.0976, 46.1598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

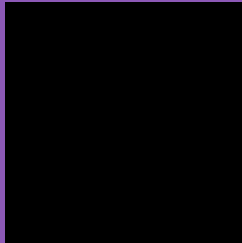
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.8311, 16.0976, 46.1598

Background



This preview shows how black text looks on a background with the XYZ color 22.8311, 16.0976, 46.1598.



This preview shows how white text looks on a background with the XYZ color 22.8311, 16.0976,

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

22.8311, 16.0976, 46.1598

Protanopia

18.3952, 16.3833, 57.4511

Deuteranopia

16.6316, 16.2585, 43.8566



Tritanopia

17.0934, 16.1122, 18.1286

Trichromacy



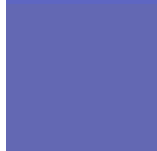
Original Color

22.8311, 16.0976, 46.1598



Protanomaly

19.1051, 15.7775, 53.0773



Deuteranomaly

18.2326, 15.8080, 44.7381



Tritanomaly

18.7331, 15.8840, 26.5047

Monochromacy



Original Color

22.8311, 16.0976, 46.1598



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

18.1264, 16.4572, 26.6473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8311, 16.0976, 46.1598 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(140, 89, 182)` looks like.

```
.text, #text, p{  
    color:rgb(140, 89, 182)  
}
```

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(140, 89, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 89, 182) }
```

Border

The CSS property to change the border of an element to XYZ 22.8311, 16.0976, 46.1598 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(140, 89, 182) }
```


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

```
.border{ border-color:rgb(140, 89, 182) }
```

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

Here you see how a box with a 4 pixel rgb(140, 89, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 89, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 89, 182);  
box-shadow:4px 4px 4px 4px rgb(140, 89,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8311, 16.0976, 46.1598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 89, 182) }
```

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

```
.background{ background-color: rgb(140, 89,  
182) }
```

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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