

Converting Colors

XYZ(21.8718, 15.0158, 29.0822)

Have a look what the booklet for
XYZ(21.8718, 15.0158, 29.0822)
contains.

XYZ(21.8410, 15.0281, 28.9437)	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(21.8410, 15.0281,
28.9437)**

Conversions

Conversions Part 1

Format	Color
Hex	9C5192
RGB	156, 81, 146
RGB Percent	61%, 32%, 57%
CMY	0.3882, 0.6823, 0.4274
CMYK	0.00, 0.48, 0.06, 0.39
HSL	308°, 32%, 46%
HSV	308°, 48%, 61%
XYZ	21.8410, 15.0281, 28.9437
YIQ	110.8350, 23.8350, 36.1150

Conversions

Conversions Part 2

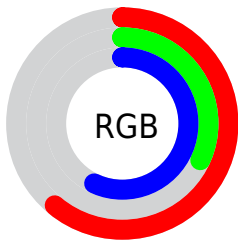
Format	Color
R_{YB}	156, 81, 146
Decimal	10244498
CIE _{Lab}	45.67, 40.42, -22.26
CIE _{LCh}	46, 46.149, 331.155
Yxy	15.0281, 0.3319, 0.2283
Android (android.graphics.Color)	4288434578 (0xFF9C5192)
YUV	110.8350, 17.3363, 39.6097
Hunter-Lab	38.7661, 32.7271, -17.1311

Details

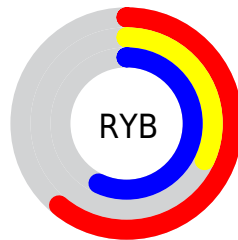
The XYZ color **21.8410, 15.0281, 28.9437** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **17.1708, 26.2820, 14.0664**, and the grayscale version is **15.0087, 15.7903, 17.1956**.

A 20% lighter version of the original color is **45.9642, 34.9422, 58.9655**, and **8.1234, 4.6383, 11.2936** is the 20% darker color. If you saturate the color by 10%, you get **20.6519, 12.9063, 27.7564**, and if you desaturate by 10%, it is **23.3003, 17.6851, 30.2359**.

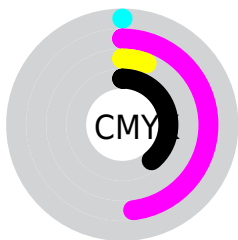
Distribution



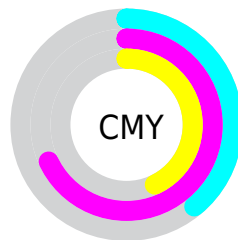
- Red (61%)
- Green (32%)
- Blue (57%)



- Red (61%)
- Yellow (32%)
- Blue (57%)



- Cyan (0%)
- Magenta (48%)
- Yellow (6%)
- Black (39%)



- Cyan (39%)
- Magenta (68%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8410, 15.0281, 28.9437 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 21.8410, 15.0281, 28.9437 by changing the saturation by 10% instead.

■ 21.8410, 15.0281,
28.9437

■ 21.8410, 15.0281,
28.9437

254.3628,
223.5362, 311.0018

■ 13.8561, 8.8391,
18.7930

■ 45.9639, 34.9025,
59.0287

■ 8.1017, 4.6364,
11.3455

■ 62.8325, 49.3566,
79.8002

■ 4.2124, 2.0355,
6.1827

■ 83.3931, 67.3346,
104.9490

■ 1.8230, 0.6280,
2.8859

■ 108.0110, 89.2209,
134.8936

■ 0.5315, 0.0000,
1.0367

■ 137.0516,
115.3998, 170.0527

■ 0.0000, 0.0000,
0.0000

170.8802,

146.2557, 210.8447

209.8621,
182.1731, 257.6883

■ 21.8410, 15.0281,
28.9437

■ 21.8410, 15.0281,
28.9437

■ 20.6519, 12.9063,
27.7564

■ 23.3003, 17.6851,
30.2359

■ 19.7131, 11.2807,
26.6667

■ 25.0451, 20.9086,
31.6378

■ 19.0042, 10.1101,
25.6681

■ 27.0913, 24.7302,
33.1548

■ 18.5009, 9.3461,
24.7524

■ 29.4532, 29.1783,
34.7918

■ 18.1586, 8.8994,
23.9044

■ 32.1441, 34.2797,
36.5533

■ 18.0976, 8.8229,
23.7445

■ 35.1766, 40.0594,
38.4436

■ 38.5626, 46.5413,
40.4667

■ 42.3135, 53.7481,
42.6264

■ 46.4400, 61.7013,
44.9265

Harmonies

Analogous

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



18.4885, 15.0281, 42.2052



21.8410, 15.0281, 28.9437



23.0870, 15.0281, 15.9372

Triad

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



21.8410, 15.0281, 28.9437



14.1343, 15.0281, 2.9682



8.8165, 15.0281, 30.0456

Complementary

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



21.8410, 15.0281, 28.9437



17.1708, 26.2820, 14.0664

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.



8.0624, 15.0281, 16.7964



21.8410, 15.0281, 28.9437



10.7704, 15.0281, 4.0641

Square

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



21.8410, 15.0281, 28.9437



18.1816, 15.0281, 3.8967



8.7083, 15.0281, 8.0866



10.9870, 15.0281, 43.0183

Rectangle

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



21.8410, 15.0281, 28.9437



22.4054, 15.0281, 9.8156



8.7083, 15.0281, 8.0866



8.4086, 15.0281, 25.3192

Sweetspot

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



21.8415, 15.0288, 28.9440



50.7654, 47.8480, 61.3211



13.2583, 10.5101, 32.7826



10.9865, 10.1824, 13.3639



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.8415, 15.0288, 28.9440



37.3053, 23.0824, 50.1923



19.3868, 14.0469, 16.0176



6.8661, 6.7394, 8.1459



14.9160, 7.2709, 19.6062



0.2763, 0.1338, 0.4009

Inverse Universe

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



21.8415, 15.0288, 28.9440



37.3053, 23.0824, 50.1923



19.2117, 27.0984, 24.8137



6.8661, 6.7394, 8.1459



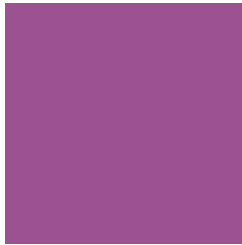
14.9160, 7.2709, 19.6062



0.2763, 0.1338, 0.4009

Previews

White Background



This preview shows how the XYZ color 21.8410, 15.0281, 28.9437 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 21.8410, 15.0281, 28.9437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

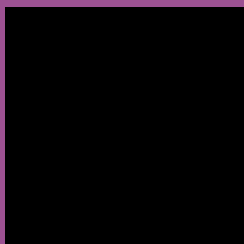
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.8410, 15.0281, 28.9437

Background



This preview shows how black text looks on a background with the XYZ color 21.8410, 15.0281, 28.9437.



This preview shows how white text looks on a background with the XYZ color 21.8410, 15.0281,

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

21.8410, 15.0281, 28.9437

Protanopia

16.0711, 15.2948, 38.1815

Deuteranopia

15.5449, 15.2633, 27.3261



Tritanopia

18.6570, 15.0392, 13.7239

Trichromacy



Original Color

21.8410, 15.0281, 28.9437

Protanomaly

17.3078, 14.6833, 34.7228

Deuteranomaly

17.3516, 14.8561, 27.9396

Tritanomaly

19.5910, 14.9158, 18.3695

Monochromacy



Original Color

21.8410, 15.0281, 28.9437

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.9477, 15.0816, 21.0866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8410, 15.0281, 28.9437 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(156, 81, 146)` looks like.

```
.text, #text, p{  
    color:rgb(156, 81, 146)  
}
```

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(156, 81, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 81, 146) }
```

Border

The CSS property to change the border of an element to XYZ 21.8410, 15.0281, 28.9437 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(156, 81, 146) }
```


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

```
.border{ border-color:rgb(156, 81, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 81, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 81, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 81, 146);  
box-shadow:4px 4px 4px 4px rgb(156, 81,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8410, 15.0281, 28.9437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 81, 146) }
```

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

```
.background{ background-color: rgb(156, 81,  
146) }
```

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