

Converting Colors

XYZ(20.8835, 12.3873, 28.9629)

Have a look what the booklet for
XYZ(20.8835, 12.3873, 28.9629)
contains.

XYZ(20.8801, 12.4018, 28.8970)	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(20.8801, 12.4018,
28.8970)**

Conversions

Conversions Part 1

Format	Color
Hex	9E3A93
RGB	158, 58, 147
RGB Percent	62%, 23%, 58%
CMY	0.3804, 0.7725, 0.4235
CMYK	0.00, 0.63, 0.07, 0.38
HSL	307°, 46%, 42%
HSV	307°, 63%, 62%
XYZ	20.8801, 12.4018, 28.8970
YIQ	98.0460, 31.0310, 48.8790

Conversions

Conversions Part 2

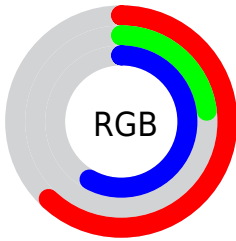
Format	Color
RYB	158, 58, 147
Decimal	10369683
CIELab	41.85, 52.35, -28.79
CIELCh	42, 59.745, 331.192
Yxy	12.4018, 0.3358, 0.1995
Android (android.graphics.Color)	4288559763 (0xFF9E3A93)
YUV	98.0460, 24.1343, 52.5797
Hunter-Lab	35.2162, 44.2065, -23.9997

Details

The XYZ color **20.8801, 12.4018, 28.8970** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **15.0466, 25.7835, 9.8148**, and the grayscale version is **11.5579, 12.1598, 13.2420**.

A 20% lighter version of the original color is **44.3611, 30.2525, 58.7596**, and **7.7048, 3.7281, 11.3798** is the 20% darker color. If you saturate the color by 10%, you get **20.0671, 10.9921, 27.9582**, and if you desaturate by 10%, it is **21.9405, 14.3023, 29.9287**.

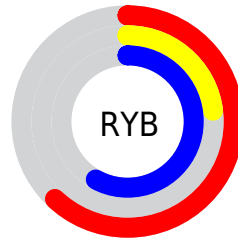
Distribution



Red (62%)

Green (23%)

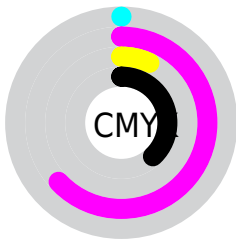
Blue (58%)



Red (62%)

Yellow (23%)

Blue (58%)

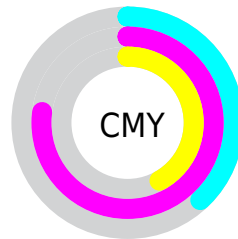


Cyan (0%)

Magenta (63%)

Yellow (7%)

Black (38%)



Cyan (38%)

Magenta (77%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8801, 12.4018, 28.8970 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 20.8801, 12.4018, 28.8970 by changing the saturation by 10% instead.

■ 20.8801, 12.4018,
28.8970

■ 20.8801, 12.4018,
28.8970

■ 249.3844,
207.0475, 310.7744

■ 13.1483, 7.0179,
18.7580

■ 44.3807, 30.2248,
58.9536

■ 7.6085, 3.4733,
11.3205

■ 60.8802, 43.4328,
79.7084

■ 3.8951, 1.3836,
6.1660

■ 81.0331, 60.0175,
104.8387

■ 1.6430, 0.2046,
2.8758

■ 105.2046, 80.3635,
134.7633

■ 0.4202, 0.0000,
1.0316

■ 133.7601,
104.8551, 169.9006

■ 0.0000, 0.0000,
0.0000

■ 167.0650,

133.8767, 210.6692

205.4847,
167.8127, 257.4876

■ 20.8801, 12.4018,
28.8970

■ 20.8801, 12.4018,
28.8970

■ 20.0671, 10.9921,
27.9582

■ 21.9405, 14.3023,
29.9287

■ 19.4769, 10.0251,
27.1037

■ 23.2672, 16.7324,
31.0592

■ 19.0823, 9.4461,
26.3244

■ 24.8788, 19.7291,
32.2950

■ 18.8802, 9.1810,
25.8280

■ 26.7919, 23.3254,
33.6415

■ 29.0218, 27.5519,
35.1040

■ 31.5827, 32.4370,
36.6873

■ 34.4880, 38.0076,
38.3957

■ 37.7503, 44.2888,
40.2337

■ 41.3817, 51.3047,
42.2051

Harmonies

Analogous

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



16.7431, 12.4018, 46.7162



20.8801, 12.4018, 28.8970



22.4504, 12.4018, 13.0048

Triad

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



20.8801, 12.4018, 28.8970



11.6121, 12.4018, 0.8682



5.9234, 12.4018, 30.3739

Complementary

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



20.8801, 12.4018, 28.8970



15.0466, 25.7835, 9.8148

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.



5.1835, 12.4018, 14.0147



20.8801, 12.4018, 28.8970



7.9212, 12.4018, 1.5652

Square

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



20.8801, 12.4018, 28.8970



16.3601, 12.4018, 1.4482



5.8127, 12.4018, 4.8606



8.1578, 12.4018, 47.8808

Rectangle

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



20.8801, 12.4018, 28.8970



21.5841, 12.4018, 6.4936



5.8127, 12.4018, 4.8606



5.5208, 12.4018, 24.3126

Sweetspot

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



20.8805, 12.4024, 28.8972



50.1696, 45.2255, 62.1068



10.0691, 6.7243, 33.1155



11.0722, 9.7448, 13.8430



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.8805, 12.4024, 28.8972



35.9448, 19.1318, 50.1022



17.8188, 11.1777, 12.7744



6.8727, 6.7420, 8.1808



15.1297, 7.3565, 20.7320



0.2786, 0.1348, 0.4133

Inverse Universe

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



20.8805, 12.4024, 28.8972



35.9448, 19.1318, 50.1022



17.2424, 26.6618, 21.3778



6.8727, 6.7420, 8.1808



15.1297, 7.3565, 20.7320



0.2786, 0.1348, 0.4133

Previews

White Background



This preview shows how the XYZ color 20.8801, 12.4018, 28.8970 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 20.8801, 12.4018, 28.8970 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 20.8801, 12.4018, 28.8970

Background



This preview shows how black text looks on a background with the XYZ color 20.8801, 12.4018, 28.8970.



This preview shows how white text looks on a background with the XYZ color 20.8801, 12.4018,

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

20.8801, 12.4018, 28.8970

Protanopia

14.3601, 12.7851, 45.4270

Deuteranopia

12.9217, 12.5897, 26.9483



Tritanopia

16.8699, 12.3574, 9.4787

Trichromacy



Original Color

20.8801, 12.4018, 28.8970

Protanomaly

14.8708, 11.4308, 38.9587

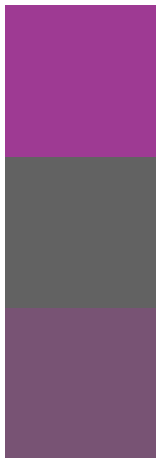
Deuteranomaly

14.7333, 11.6144, 27.4519

Tritanomaly

18.0561, 12.1669, 15.0325

Monochromacy



Original Color

20.8801, 12.4018, 28.8970

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.9914, 11.4405, 17.9938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8801, 12.4018, 28.8970 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(158, 58, 147)` looks like.

```
.text, #text, p{  
    color:rgb(158, 58, 147)  
}
```

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(158, 58, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 58, 147) }
```

Border

The CSS property to change the border of an element to XYZ 20.8801, 12.4018, 28.8970 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(158, 58, 147) }
```


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

```
.border{ border-color:rgb(158, 58, 147) }
```

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

Here you see how a box with a 4 pixel rgb(158, 58, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 58, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 58, 147);  
box-shadow:4px 4px 4px 4px rgb(158, 58,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8801, 12.4018, 28.8970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 58, 147) }
```

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

```
.background{ background-color: rgb(158, 58,  
147) }
```

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