

Converting Colors

XYZ(20.2344, 13.8145, 26.8517)

Have a look what the booklet for
XYZ(20.2344, 13.8145, 26.8517)
contains.

XYZ(20.2241, 13.8102, 26.7990)	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(20.2241, 13.8102,
26.7990)**

Conversions

Conversions Part 1

Format	Color
Hex	974D8D
RGB	151, 77, 141
RGB Percent	59%, 30%, 55%
CMY	0.4078, 0.6980, 0.4471
CMYK	0.00, 0.49, 0.07, 0.41
HSL	308°, 32%, 45%
HSV	308°, 49%, 59%
XYZ	20.2241, 13.8102, 26.7990
YIQ	106.4220, 23.5600, 35.5920

Conversions

Conversions Part 2

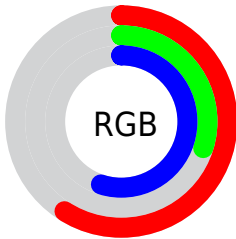
Format	Color
R_{YB}	151, 77, 141
Decimal	9915789
CIE _{Lab}	43.96, 40.06, -21.96
CIE _{LCh}	44, 45.680, 331.267
Yxy	13.8102, 0.3325, 0.2270
Android (android.graphics.Color)	4288105869 (0xFF974D8D)
YUV	106.4220, 17.0470, 39.0949
Hunter-Lab	37.1621, 32.1085, -16.7428

Details

The XYZ color **20.2241, 13.8102, 26.7990** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.8481, 24.3996, 12.8921**, and the grayscale version is **13.7660, 14.4829, 15.7719**.

A 20% lighter version of the original color is **43.4327, 32.9060, 55.6921**, and **7.2947, 4.0908, 10.3027** is the 20% darker color. If you saturate the color by 10%, you get **19.1373, 11.8771, 25.6945**, and if you desaturate by 10%, it is **21.5599, 16.2362, 28.0005**.

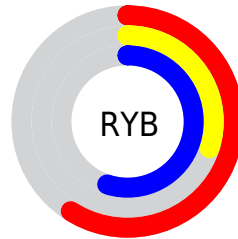
Distribution



Red (59%)

Green (30%)

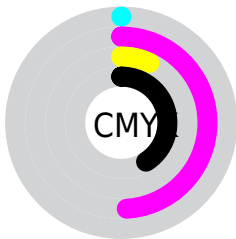
Blue (55%)



Red (59%)

Yellow (30%)

Blue (55%)

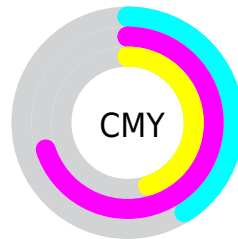


Cyan (0%)

Magenta (49%)

Yellow (7%)

Black (41%)



Cyan (41%)

Magenta (70%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2241, 13.8102, 26.7990 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 20.2241, 13.8102, 26.7990 by changing the saturation by 10% instead.

■ 20.2241, 13.8102,
26.7990

■ 20.2241, 13.8102,
26.7990

245.9362,
216.0469, 300.4119

■ 12.6673, 7.9888,
17.1912

■ 43.2937, 32.7519,
55.5610

■ 7.2752, 4.0878,
10.2075

■ 59.5371, 46.6409,
75.5522

■ 3.6827, 1.7228,
5.4294

■ 79.4068, 63.9880,
99.8418

■ 1.5242, 0.4383,
2.4382

■ 103.2681, 85.1774,
128.8481

■ 0.3422, 0.0000,
0.8071

■ 131.4863,
110.5936, 162.9897

■ 0.0000, 0.0000,
0.0000

164.4268,

140.6210, 202.6852

202.4550,
175.6439, 248.3531

■ 20.2241, 13.8102,
26.7990

■ 20.2241, 13.8102,
26.7990

■ 19.1373, 11.8771,
25.6945

■ 21.5599, 16.2362,
28.0005

■ 18.2809, 10.4006,
24.6805

■ 23.1588, 19.1843,
29.3035

■ 17.6358, 9.3424,
23.7505

■ 25.0357, 22.6838,
30.7131

■ 17.1794, 8.6571,
22.8971

■ 27.2038, 26.7611,
32.2338

■ 16.8619, 8.2452,
22.1034

■ 29.6754, 31.4410,
33.8697

■ 16.8319, 8.2071,
22.0256

■ 32.4624, 36.7469,
35.6249

■ 35.5757, 42.7008,
37.5032

■ 39.0258, 49.3239,
39.5080

■ 42.8229, 56.6360,
41.6428

Harmonies

Analogous

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



17.0802, 13.8102, 39.3204



20.2241, 13.8102, 26.7990



21.3866, 13.8102, 14.6004

Triad

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



20.2241, 13.8102, 26.7990



12.9728, 13.8102, 2.6158



8.0305, 13.8102, 27.9372

Complementary

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



20.2241, 13.8102, 26.7990



15.8481, 24.3996, 12.8921

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.



7.3249, 13.8102, 15.4821



20.2241, 13.8102, 26.7990



9.8349, 13.8102, 3.6239

Square

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



20.2241, 13.8102, 26.7990



16.7644, 13.8102, 3.4558



7.9201, 13.8102, 7.3459



10.0565, 13.8102, 40.1631

Rectangle

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



20.2241, 13.8102, 26.7990



20.7393, 13.8102, 8.9037



7.9201, 13.8102, 7.3459



7.6497, 13.8102, 23.4879

Sweetspot

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



20.2246, 13.8108, 26.7993



46.2115, 43.2048, 55.9879



12.1585, 9.5628, 30.4834



10.3374, 9.5085, 12.6073



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.2246, 13.8108, 26.7993



34.0709, 20.9177, 45.7934



17.9224, 12.8900, 14.6764



6.4253, 6.3093, 7.6197



14.3268, 6.9849, 18.7776



0.2229, 0.1079, 0.3265

Inverse Universe

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



20.2246, 13.8108, 26.7993



34.0709, 20.9177, 45.7934



17.7574, 25.1633, 22.9464



6.4253, 6.3093, 7.6197



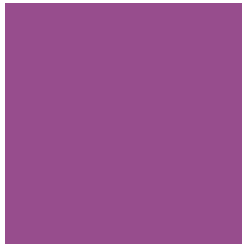
14.3268, 6.9849, 18.7776



0.2229, 0.1079, 0.3265

Previews

White Background



This preview shows how the XYZ color 20.2241, 13.8102, 26.7990 looks on a white background.

Color Contrast Check

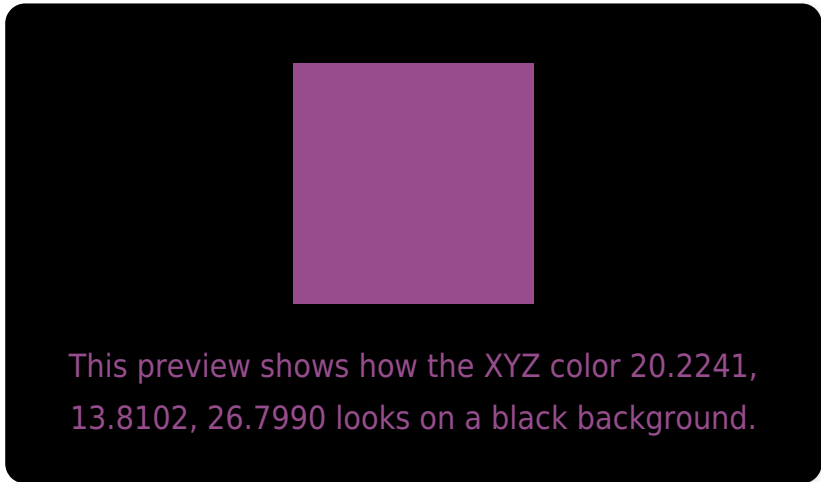
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 20.2241, 13.8102, 26.7990

Background



This preview shows how black text looks on a background with the XYZ color 20.2241, 13.8102, 26.7990.



This preview shows how white text looks on a background with the XYZ color 20.2241, 13.8102,

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

20.2241, 13.8102, 26.7990

Protanopia

14.8505, 14.1127, 35.6595

Deuteranopia

14.2954, 14.0480, 25.6250



Tritanopia

17.3642, 13.8986, 12.3572

Trichromacy



Original Color

20.2241, 13.8102, 26.7990

Protanomaly

16.0198, 13.5266, 32.3384

Deuteranomaly

15.9263, 13.6223, 25.8347

Tritanomaly

18.2523, 13.7842, 16.7375

Monochromacy



Original Color

20.2241, 13.8102, 26.7990

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.4480, 13.6539, 19.2740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2241, 13.8102, 26.7990 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(151, 77, 141)` looks like.

```
.text, #text, p{  
    color:rgb(151, 77, 141)  
}
```

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(151, 77, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 77, 141) }
```

Border

The CSS property to change the border of an element to XYZ 20.2241, 13.8102, 26.7990 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(151, 77, 141) }
```


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

```
.border{ border-color:rgb(151, 77, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 77, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 77, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 77, 141);  
box-shadow:4px 4px 4px 4px rgb(151, 77,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2241, 13.8102, 26.7990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 77, 141) }
```

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

```
.background{ background-color: rgb(151, 77,  
141) }
```

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