

Converting Colors

XYZ(28.1828, 20.0229, 28.5230)

Have a look what the booklet for
XYZ(28.1828, 20.0229, 28.5230)
contains.

XYZ(28.1062, 19.9913, 28.3640)	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(28.1062, 19.9913,
28.3640)**

Conversions

Conversions Part 1

Format	Color
Hex	B55F8F
RGB	181, 95, 143
RGB Percent	71%, 37%, 56%
CMY	0.2902, 0.6274, 0.4392
CMYK	0.00, 0.48, 0.21, 0.29
HSL	327°, 37%, 54%
HSV	327°, 48%, 71%
XYZ	28.1062, 19.9913, 28.3640
YIQ	126.1860, 35.8480, 33.1600

Conversions

Conversions Part 2

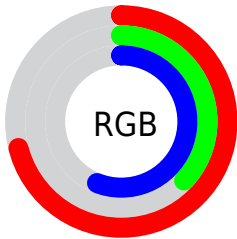
Format	Color
R_{YB}	181, 95, 143
Decimal	11886479
CIE _{Lab}	51.83, 40.75, -10.79
CIE _{LCh}	52, 42.157, 345.173
Yxy	19.9913, 0.3676, 0.2615
Android (android.graphics.Color)	4290076559 (0xFFB55F8F)
YUV	126.1860, 8.2893, 48.0719
Hunter-Lab	44.7116, 33.9616, -6.3140

Details

The XYZ color **28.1062, 19.9913, 28.3640** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **25.4777, 37.1747, 28.0245**, and the grayscale version is **19.8591, 20.8934, 22.7529**.

A 20% lighter version of the original color is **56.2646, 43.5617, 58.2661**, and **11.4807, 7.0273, 11.1072** is the 20% darker color. If you saturate the color by 10%, you get **26.0768, 16.8676, 24.8040**, and if you desaturate by 10%, it is **30.5588, 23.8918, 32.2786**.

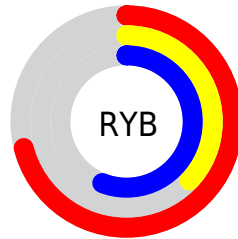
Distribution



Red (71%)

Green (37%)

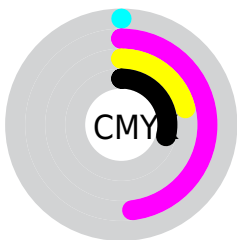
Blue (56%)



Red (71%)

Yellow (37%)

Blue (56%)

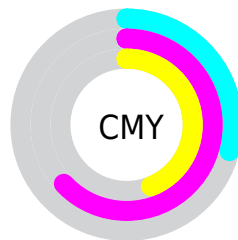


Cyan (0%)

Magenta (48%)

Yellow (21%)

Black (29%)



Cyan (29%)


Magenta (63%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1062, 19.9913, 28.3640 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 28.1062, 19.9913, 28.3640 by changing the saturation by 10% instead.

 28.1062, 19.9913,
28.3640


 28.1062, 19.9913,
28.3640


285.0449,
251.8680, 308.1687


 18.5466, 12.3887,
18.3588


 56.0614, 43.4026,
58.0951


 11.4452, 7.0090,
11.0358


 75.1877, 59.9801,
78.6582

 6.4366, 3.4677,
5.9764


 98.2336, 80.3180,
103.5775

 3.1555, 1.3805,
2.7622

 125.5645,
104.8008, 133.2718

 1.2365, 0.2023,
0.9745

157.5458,
133.8128, 168.1595

 0.1349, 0.0000,
0.0000

194.5427,

 0.0000, 0.0000,

167.7384, 208.6592

0.0000

236.9206,
206.9620, 255.1894

■ 28.1062, 19.9913,
28.3640

■ 28.1062, 19.9913,
28.3640

■ 26.0768, 16.8676,
24.8040

■ 30.5588, 23.8918,
32.2786

■ 24.4412, 14.4641,
21.5839

■ 33.4577, 28.6146,
36.5592

■ 23.1691, 12.7214,
18.6892


■ 36.8265, 34.2051,
41.2180


■ 22.2245, 11.5689,
16.1031


■ 40.6864, 40.7047,
46.2662


■ 21.5538, 10.9011,
13.8028


■ 45.0573, 48.1519,
51.7143

 21.4061, 10.7638,
13.2665

 49.9580, 56.5831,
57.5724

 55.4065, 66.0327,
63.8503

 61.4196, 76.5335,
70.5572

 67.0798, 86.2493,
77.3909

Harmonies

Analogous

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



25.4474, 19.9913, 42.9372



28.1062, 19.9913, 28.3640



28.0895, 19.9913, 16.1688

Triad

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



28.1062, 19.9913, 28.3640



16.9299, 19.9913, 6.0353



13.7756, 19.9913, 43.0954

Complementary

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



28.1062, 19.9913, 28.3640



25.4777, 37.1747, 28.0245

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.



12.1208, 19.9913, 28.5281



28.1062, 19.9913, 28.3640



13.7473, 19.9913, 9.0320

Square

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



28.1062, 19.9913, 28.3640



21.1831, 19.9913, 6.0196



12.1113, 19.9913, 16.2817



16.9744, 19.9913, 53.3754

Rectangle

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



28.1062, 19.9913, 28.3640



26.5431, 19.9913, 10.8277



12.1113, 19.9913, 16.2817



13.0431, 19.9913, 38.3384

Sweetspot

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



28.1068, 19.9923, 28.3644



68.1221, 64.8927, 76.7056



21.9911, 16.4488, 45.7322



14.4173, 13.5117, 16.1722



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



28.1068, 19.9923, 28.3644



46.5590, 29.9931, 44.1564



25.4849, 18.9435, 14.5579



8.6883, 8.5820, 9.8568



14.7922, 7.4344, 9.3317



0.4942, 0.2454, 0.4451

Inverse Universe

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



28.1068, 19.9923, 28.3644



46.5590, 29.9931, 44.1564



29.0080, 38.5868, 46.6145



8.6883, 8.5820, 9.8568



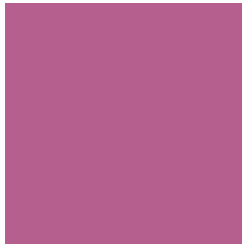
14.7922, 7.4344, 9.3317



0.4942, 0.2454, 0.4451

Previews

White Background



This preview shows how the XYZ color 28.1062, 19.9913, 28.3640 looks on a white 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

Black Background



This preview shows how the XYZ color 28.1062, 19.9913, 28.3640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

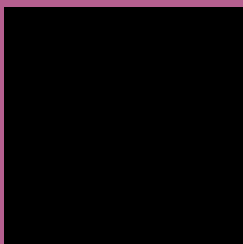
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.1062, 19.9913, 28.3640

Background



This preview shows how black text looks on a background with the XYZ color 28.1062, 19.9913, 28.3640.



This preview shows how white text looks on a background with the XYZ color 28.1062, 19.9913,

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

28.1062, 19.9913, 28.3640

Protanopia

20.5440, 20.3520, 37.0280

Deuteranopia

20.5508, 20.2060, 27.2431



Tritanopia

25.8718, 20.0718, 16.9787

Trichromacy



Original Color

28.1062, 19.9913, 28.3640

Protanomaly

22.3028, 19.5801, 33.6142

Deuteranomaly

22.7405, 19.7777, 27.4299

Tritanomaly

26.5034, 19.8879, 20.5310

Monochromacy



Original Color

28.1062, 19.9913, 28.3640

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

22.1497, 20.0384, 24.5302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1062, 19.9913, 28.3640 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(181, 95, 143)` looks like.

```
.text, #text, p{  
  color:rgb(181, 95, 143)  
}
```

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(181, 95, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 95, 143) }
```

Border

The CSS property to change the border of an element to XYZ 28.1062, 19.9913, 28.3640 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(181, 95, 143) }
```


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

```
.border{ border-color:rgb(181, 95, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 95, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 95, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 95, 143);  
box-shadow:4px 4px 4px 4px rgb(181, 95,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1062, 19.9913, 28.3640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 95, 143) }
```

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

```
.background{ background-color: rgb(181, 95,  
143) }
```

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