

Converting Colors

XYZ(28.7220, 19.5761, 30.3051)

Have a look what the booklet for
XYZ(28.7220, 19.5761, 30.3051)
contains.

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Color

**XYZ(28.7686, 19.6408,
30.2918)**

Conversions

Conversions Part 1

Format	Color
Hex	B85A94
RGB	184, 90, 148
RGB Percent	72%, 35%, 58%
CMY	0.2784, 0.6470, 0.4196
CMYK	0.00, 0.51, 0.20, 0.28
HSL	323°, 40%, 54%
HSV	323°, 51%, 72%
XYZ	28.7686, 19.6408, 30.2918
YIQ	124.7180, 37.4060, 37.9660

Conversions

Conversions Part 2

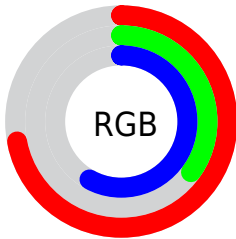
Format	Color
RYB	184, 90, 148
Decimal	12081812
CIELab	51.43, 45.07, -14.31
CIElCh	51, 47.285, 342.389
Yxy	19.6408, 0.3655, 0.2496
Android (android.graphics.Color)	4290271892 (0xFFB85A94)
YUV	124.7180, 11.4780, 51.9903
Hunter-Lab	44.3179, 38.3153, -9.5028

Details

The XYZ color **28.7686, 19.6408, 30.2918** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **25.1237, 37.9615, 25.7435**, and the grayscale version is **19.3528, 20.3607, 22.1728**.

A 20% lighter version of the original color is **57.1011, 42.7864, 61.1262**, and **11.7213, 6.7754, 11.9993** is the 20% darker color. If you saturate the color by 10%, you get **26.8634, 16.6959, 26.9880**, and if you desaturate by 10%, it is **31.0931, 23.3694, 33.9034**.

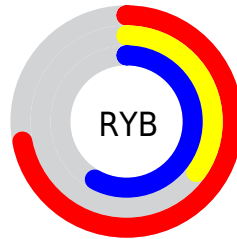
Distribution



Red (72%)

Green (35%)

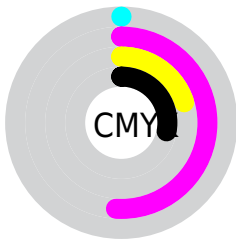
Blue (58%)



Red (72%)

Yellow (35%)

Blue (58%)

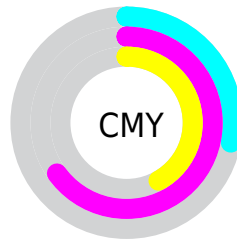


Cyan (0%)

Magenta (51%)

Yellow (20%)

Black (28%)



Cyan (28%)


Magenta (65%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7686, 19.6408, 30.2918 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 28.7686, 19.6408, 30.2918 by changing the saturation by 10% instead.


 28.7686, 19.6408,
30.2918

 28.7686, 19.6408,
30.2918

288.1355,
249.9639, 317.5118


 19.0492, 12.1342,
19.8062


 57.1093, 42.8141,
61.1898


 11.8101, 6.8351,
12.0716


 76.4614, 59.2497,
82.4393

 6.6858, 3.3592,
6.6693


 99.7552, 79.4303,
108.1139

 3.3109, 1.3220,
3.1809

 127.3558,
103.7404, 138.6321

 1.3203, 0.1582,
1.1877

159.6289,
132.5645, 174.4124

 0.1983, 0.0000,
0.0000

196.9396,

 0.0000, 0.0000,

166.2868, 215.8735

0.0000

239.6534,
205.2918, 263.4337

■ 28.7686, 19.6408,
30.2918

■ 28.7686, 19.6408,
30.2918

■ 26.8634, 16.6959,
26.9880

■ 31.0931, 23.3694,
33.9034

■ 25.3463, 14.4740,
23.9779

■ 33.8615, 27.9309,
37.8332

■ 24.1842, 12.9097,
21.2478

■ 37.0988, 33.3739,
42.0926

■ 23.3374, 11.9246,
18.7813

■ 40.8274, 39.7424,
46.6917

■ 22.7778, 11.3946,
16.7783

■ 45.0682, 47.0773,
51.6403

■ 49.8408, 55.4171,
56.9474

■ 55.1640, 64.7984,
62.6220

■ 61.0554, 75.2556,
68.6724

■ 67.3384, 86.4349,
75.0421

Harmonies

Analogous

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



25.5089, 19.6408, 47.0278



28.7686, 19.6408, 30.2918



29.0562, 19.6408, 16.2614

Triad

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



28.7686, 19.6408, 30.2918



16.7806, 19.6408, 4.6829



12.7147, 19.6408, 44.2418

Complementary

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



28.7686, 19.6408, 30.2918



25.1237, 37.9615, 25.7435

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.



11.1080, 19.6408, 27.4867



28.7686, 19.6408, 30.2918



13.1745, 19.6408, 7.3225

Square

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



28.7686, 19.6408, 30.2918



21.5626, 19.6408, 4.9100



11.2607, 19.6408, 14.4222



16.0448, 19.6408, 57.1445

Rectangle

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



28.7686, 19.6408, 30.2918



27.4673, 19.6408, 10.2319



11.2607, 19.6408, 14.4222



11.9827, 19.6408, 38.6298

Sweetspot

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



28.7692, 19.6417, 30.2922



71.0835, 67.0245, 81.0912



20.6887, 15.0941, 47.1706



15.0203, 13.9303, 17.1063



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.



28.7692, 19.6417, 30.2922



48.4106, 29.8347, 48.3896



25.8489, 18.4736, 14.9141



9.2312, 9.1028, 10.5648



15.7335, 7.8672, 11.7496



0.5839, 0.2890, 0.5680

Inverse Universe

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



28.7692, 19.6417, 30.2922



48.4106, 29.8347, 48.3896



28.7529, 39.4132, 44.8543



9.2312, 9.1028, 10.5648



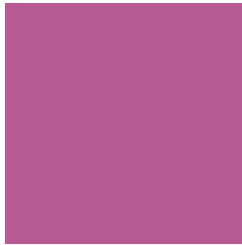
15.7335, 7.8672, 11.7496



0.5839, 0.2890, 0.5680

Previews

White Background



This preview shows how the XYZ color 28.7686, 19.6408, 30.2918 looks on a white background.

Color Contrast Check

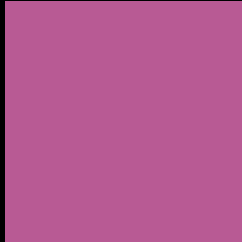
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7686, 19.6408, 30.2918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

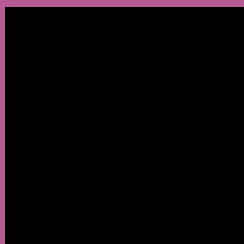
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.7686, 19.6408, 30.2918

Background



This preview shows how black text looks on a background with the XYZ color 28.7686, 19.6408, 30.2918.



This preview shows how white text looks on a background with the XYZ color 28.7686, 19.6408,

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

28.7686, 19.6408, 30.2918

Protanopia

20.3724, 19.8032, 41.2767

Deuteranopia

20.1318, 19.7761, 28.7427



Tritanopia

25.8857, 19.6676, 16.0676

Trichromacy



Original Color

28.7686, 19.6408, 30.2918

Protanomaly

22.3401, 19.0304, 37.1461

Deuteranomaly

22.4335, 19.0926, 29.2909

Tritanomaly

26.6901, 19.5700, 20.4598

Monochromacy



Original Color

28.7686, 19.6408, 30.2918

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

21.8819, 19.3928, 24.7802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7686, 19.6408, 30.2918 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(184, 90, 148)` looks like.

```
.text, #text, p{  
  color:rgb(184, 90, 148)  
}
```

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(184, 90, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 90, 148) }
```

Border

The CSS property to change the border of an element to XYZ 28.7686, 19.6408, 30.2918 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(184, 90, 148) }
```


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

```
.border{ border-color:rgb(184, 90, 148) }
```

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

Here you see how a box with a 4 pixel rgb(184, 90, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 90, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 90, 148);  
box-shadow:4px 4px 4px 4px rgb(184, 90,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7686, 19.6408, 30.2918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 90, 148) }
```

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

```
.background{ background-color: rgb(184, 90,  
148) }
```

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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