

Converting Colors

XYZ(27.2148, 18.2108, 21.4881)

Have a look what the booklet for
XYZ(27.2148, 18.2108, 21.4881)
contains.

XYZ(27.2884, 18.2320, 21.4829)	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(27.2884, 18.2320,
21.4829)**

Conversions

Conversions Part 1

Format	Color
Hex	BB537D
RGB	187, 83, 125
RGB Percent	73%, 33%, 49%
CMY	0.2667, 0.6745, 0.5098
CMYK	0.00, 0.56, 0.33, 0.27
HSL	336°, 43%, 53%
HSV	336°, 56%, 73%
XYZ	27.2884, 18.2320, 21.4829
YIQ	118.8840, 48.5020, 35.1100

Conversions

Conversions Part 2

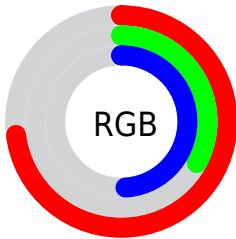
Format	Color
R_{YB}	187, 83, 125
Decimal	12276605
CIE Lab	49.78, 46.33, -3.03
CIE LCh	50, 46.430, 356.264
Yxy	18.2320, 0.4073, 0.2721
Android (android.graphics.Color)	4290466685 (0xFFBB537D)
YUV	118.8840, 3.0152, 59.7377
Hunter-Lab	42.6989, 39.3541, 0.0590

Details

The XYZ color **27.2884, 18.2320, 21.4829** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **26.4494, 39.4244, 33.0060**, and the grayscale version is **17.4786, 18.3889, 20.0255**.

A 20% lighter version of the original color is **54.8461, 40.4155, 47.0297**, and **10.9257, 6.0981, 7.4387** is the 20% darker color. If you saturate the color by 10%, you get **25.3730, 15.4777, 17.5256**, and if you desaturate by 10%, it is **29.6706, 21.7917, 25.9906**.

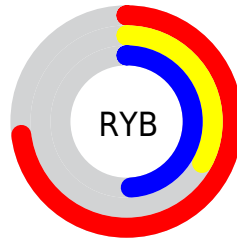
Distribution



Red (73%)

Green (33%)

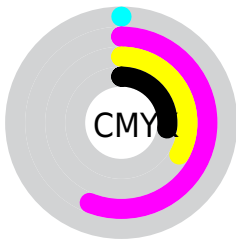
Blue (49%)



Red (73%)

Yellow (33%)

Blue (49%)

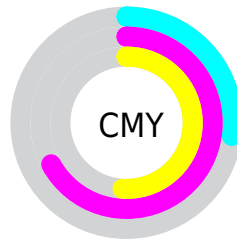


Cyan (0%)

Magenta (56%)

Yellow (33%)

Black (27%)



Cyan (27%)


Magenta (67%)


Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2884, 18.2320, 21.4829 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 27.2884, 18.2320, 21.4829 by changing the saturation by 10% instead.


 27.2884, 18.2320,
21.4829


 27.2884, 18.2320,
21.4829


281.1930,
242.1755, 272.6987


 17.9276, 11.1167,
13.2828


 54.7629, 40.4323,
46.7810


 10.9974, 6.1454,
7.4905

 73.6074, 56.2860,
64.7161


 6.1324, 2.9337,
3.6877


 96.3439, 75.8213,
86.7332

 2.9672, 1.0972,
1.4556

 123.3376, 99.4226,
113.2509

 1.1364, 0.0000,
0.1845

 154.9541,
127.4742, 144.6878

 0.0553, 0.0000,
0.0000

191.5585,

 0.0000, 0.0000,

160.3607, 181.4624

0.0000

233.5164,
198.4663, 223.9931

■ 27.2884, 18.2320,
21.4829

■ 27.2884, 18.2320,
21.4829

■ 25.3730, 15.4777,
17.5256

■ 29.6706, 21.7917,
25.9906

■ 23.8885, 13.4615,
14.0933

■ 32.5488, 26.2116,
31.0703

■ 22.7956, 12.1093,
11.1593

■ 35.9515, 31.5448,
36.7435

■ 22.0456, 11.3281,
8.6929

■ 39.9047, 37.8394,
43.0302

■ 21.7811, 11.0798,
7.7398

■ 44.4325, 45.1400,
49.9494

■ 49.5573, 53.4884,
57.5190

■ 55.3007, 62.9242,
65.7564

■ 61.6828, 73.4846,
74.6783

■ 68.7232, 85.2053,
84.3005

Harmonies

Analogous

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



25.4169, 18.2320, 36.7047



27.2884, 18.2320, 21.4829



26.1397, 18.2320, 10.8987

Triad

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



27.2884, 18.2320, 21.4829



13.8280, 18.2320, 5.0316



13.0178, 18.2320, 47.8151

Complementary

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



27.2884, 18.2320, 21.4829



26.4494, 39.4244, 33.0060

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.



10.7606, 18.2320, 32.7138



27.2884, 18.2320, 21.4829



11.1694, 18.2320, 9.1560

Square

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



27.2884, 18.2320, 21.4829



17.8896, 18.2320, 4.1074



10.1461, 18.2320, 18.3049



16.7802, 18.2320, 55.4757

Rectangle

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



27.2884, 18.2320, 21.4829



23.9062, 18.2320, 6.9320



10.1461, 18.2320, 18.3049



12.0845, 18.2320, 43.1939

Sweetspot

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



27.2889, 18.2329, 21.4832



70.2216, 65.7724, 75.1167



23.5073, 15.6749, 48.8002



15.1394, 13.9658, 16.0309



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



27.2889, 18.2329, 21.4832



44.7166, 26.7097, 29.7832



25.8539, 18.7871, 10.4485



9.6855, 9.5985, 10.7330



15.0412, 7.6476, 5.5105



0.6217, 0.3126, 0.3869

Inverse Universe

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



27.2889, 18.2329, 21.4832



44.7166, 26.7097, 29.7832



28.5243, 37.4009, 52.7293



9.6855, 9.5985, 10.7330



15.0412, 7.6476, 5.5105



0.6217, 0.3126, 0.3869

Previews

White Background



This preview shows how the XYZ color 27.2884, 18.2320, 21.4829 looks on a white background.

Color Contrast Check

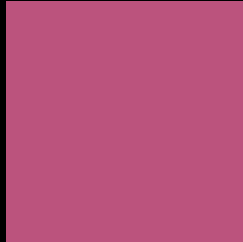
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2884, 18.2320, 21.4829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

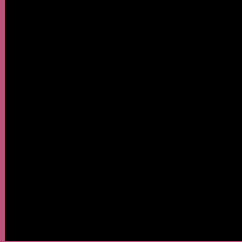
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.2884, 18.2320, 21.4829

Background



This preview shows how black text looks on a background with the XYZ color 27.2884, 18.2320, 21.4829.



This preview shows how white text looks on a background with the XYZ color 27.2884, 18.2320,

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

27.2884, 18.2320, 21.4829

Protanopia

18.4270, 18.5082, 30.2050

Deuteranopia

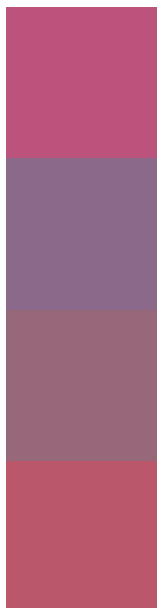
18.7268, 18.3634, 20.3268



Tritanopia

25.6455, 18.2853, 13.0042

Trichromacy



Original Color

27.2884, 18.2320, 21.4829

Protanomaly

20.3592, 17.4562, 26.7224

Deuteranomaly

21.1256, 17.6849, 20.7124

Tritanomaly

26.2594, 18.2961, 15.7831

Monochromacy



Original Color

27.2884, 18.2320, 21.4829

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

20.1068, 17.6178, 20.4300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2884, 18.2320, 21.4829 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(187, 83, 125)` looks like.

```
.text, #text, p{  
    color:rgb(187, 83, 125)  
}
```

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(187, 83, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 83, 125) }
```

Border

The CSS property to change the border of an element to XYZ 27.2884, 18.2320, 21.4829 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(187, 83, 125) }
```


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

```
.border{ border-color:rgb(187, 83, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 83, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 83, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 83, 125);  
box-shadow:4px 4px 4px 4px rgb(187, 83,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2884, 18.2320, 21.4829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 83, 125) }
```

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

```
.background{ background-color: rgb(187, 83,  
125) }
```

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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