

Converting Colors

XYZ(27.6816, 21.0236, 23.6728)

Have a look what the booklet for
XYZ(27.6816, 21.0236, 23.6728)
contains.

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Color

**XYZ(27.7019, 21.0155,
23.7154)**

Conversions

Conversions Part 1

Format	Color
Hex	B46782
RGB	180, 103, 130
RGB Percent	71%, 40%, 51%
CMY	0.2941, 0.5961, 0.4902
CMYK	0.00, 0.43, 0.28, 0.29
HSL	339°, 34%, 55%
HSV	339°, 43%, 71%
XYZ	27.7019, 21.0155, 23.7154
YIQ	129.1010, 37.2250, 24.7210

Conversions

Conversions Part 2

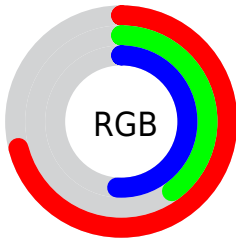
Format	Color
R_{YB}	180, 103, 130
Decimal	11822978
CIE _{Lab}	52.97, 34.24, -1.43
CIE _{LCh}	53, 34.268, 357.615
Yxy	21.0155, 0.3824, 0.2901
Android (android.graphics.Color)	4290013058 (0xFFB46782)
YUV	129.1010, 0.4432, 44.6384
Hunter-Lab	45.8427, 27.6397, 1.4179

Details

The XYZ color **27.7019, 21.0155, 23.7154** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **27.6655, 37.8265, 35.9821**, and the grayscale version is **20.8915, 21.9795, 23.9357**.

A 20% lighter version of the original color is **55.3608, 45.2004, 50.6065**, and **11.2158, 7.5003, 8.6411** is the 20% darker color. If you saturate the color by 10%, you get **25.3599, 17.5165, 19.2812**, and if you desaturate by 10%, it is **30.5196, 25.3229, 28.7484**.

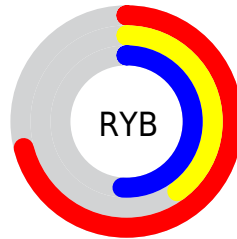
Distribution



Red (71%)

Green (40%)

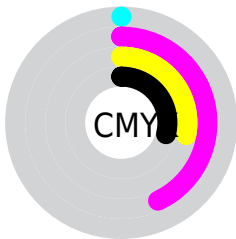
Blue (51%)



Red (71%)

Yellow (40%)

Blue (51%)

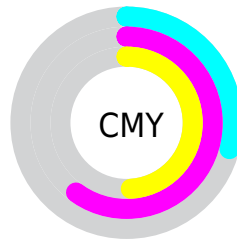


Cyan (0%)

Magenta (43%)

Yellow (28%)

Black (29%)



Cyan (29%)


Magenta (60%)


Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7019, 21.0155, 23.7154 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 27.7019, 21.0155, 23.7154 by changing the saturation by 10% instead.

 27.7019, 21.0155,
23.7154


 27.7019, 21.0155,
23.7154


283.1457,
257.3609, 284.6185


 18.2404, 13.1353,
14.9124


 55.4201, 45.1133,
50.5034


 11.2234, 7.5218,
8.6120


 74.4076, 62.0998,
69.3254

 6.2857, 3.7905,
4.3956


 97.3010, 82.8904,
92.3242

 3.0619, 1.5571,
1.8448

 124.4658,
107.8697, 119.9183

 1.1866, 0.3284,
0.4573

156.2673,
137.4220, 152.5263

 0.0957, 0.0000,
0.0000

193.0709,

 0.0000, 0.0000,

171.9317, 190.5666

0.0000

235.2419,
211.7832, 234.4578

■ 27.7019, 21.0155,
23.7154

■ 27.7019, 21.0155,
23.7154

■ 25.3599, 17.5165,
19.2812

■ 30.5196, 25.3229,
28.7484

■ 23.4639, 14.7718,
15.4206

■ 33.8369, 30.4824,
34.4015

■ 21.9835, 12.7254,
12.1083


■ 37.6779, 36.5380,
40.6962


■ 20.8834, 11.3119,
9.3160


■ 42.0649, 43.5298,
47.6528


■ 20.1217, 10.4534,
7.0124


■ 47.0187, 51.4956,
55.2905

 19.7228, 10.0635,
5.6218

 52.5590, 60.4708,
63.6278

 58.7045, 70.4893,
72.6823

 65.4732, 81.5834,
82.4710

 69.6069, 87.2331,
91.9188

Harmonies

Analogous

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



26.3944, 21.0155, 35.1981



27.7019, 21.0155, 23.7154



26.7420, 21.0155, 14.8825

Triad

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



27.7019, 21.0155, 23.7154



16.9407, 21.0155, 9.4479



16.4985, 21.0155, 43.9846

Complementary

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



27.7019, 21.0155, 23.7154



27.6655, 37.8265, 35.9821

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.



14.4576, 21.0155, 33.3322



27.7019, 21.0155, 23.7154



14.6906, 21.0155, 13.8376

Square

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



27.7019, 21.0155, 23.7154



20.2634, 21.0155, 8.2612



13.8372, 21.0155, 22.0690



19.6885, 21.0155, 48.8865

Rectangle

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



27.7019, 21.0155, 23.7154



25.0024, 21.0155, 11.1594



13.8372, 21.0155, 22.0690



15.6705, 21.0155, 40.8264

Sweetspot

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



27.7025, 21.0165, 23.7158



67.9856, 65.7242, 73.2548



25.9946, 19.6499, 45.6029



14.3497, 13.6602, 15.2753



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.



27.7025, 21.0165, 23.7158



46.3321, 32.2762, 35.6431



27.2063, 22.5535, 15.7526



8.6153, 8.5528, 9.4727



13.7944, 7.0353, 4.0773



0.4623, 0.2327, 0.2773

Inverse Universe

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



27.7025, 21.0165, 23.7158



46.3321, 32.2762, 35.6431



28.1573, 34.8290, 48.4188



8.6153, 8.5528, 9.4727



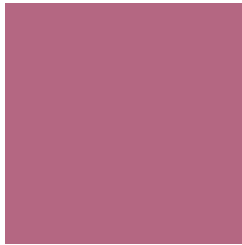
13.7944, 7.0353, 4.0773



0.4623, 0.2327, 0.2773

Previews

White Background



This preview shows how the XYZ color 27.7019, 21.0155, 23.7154 looks on a white background.

Color Contrast Check

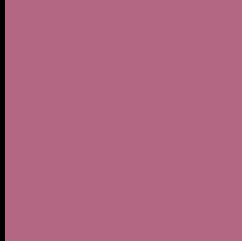
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7019, 21.0155, 23.7154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

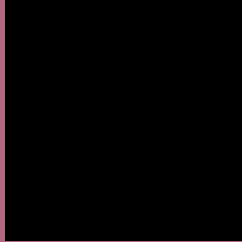
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.7019, 21.0155, 23.7154

Background



This preview shows how black text looks on a background with the XYZ color 27.7019, 21.0155, 23.7154.



This preview shows how white text looks on a background with the XYZ color 27.7019, 21.0155,

23.7154.

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

27.7019, 21.0155, 23.7154

Protanopia

20.8071, 21.2204, 29.3849

Deuteranopia

21.5612, 21.1872, 23.0318



Tritanopia

26.5514, 20.9880, 18.5713

Trichromacy



Original Color

27.7019, 21.0155, 23.7154

Protanomaly

22.6402, 20.7502, 27.2380

Deuteranomaly

23.4681, 20.9193, 23.2230

Tritanomaly

27.0321, 21.0429, 20.4062

Monochromacy



Original Color

27.7019, 21.0155, 23.7154

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.8917, 21.3138, 23.6763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7019, 21.0155, 23.7154 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(180, 103, 130)` looks like.

```
.text, #text, p{  
    color:rgb(180, 103, 130)  
}
```

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(180, 103, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 103, 130) }
```

Border

The CSS property to change the border of an element to XYZ 27.7019, 21.0155, 23.7154 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(180, 103, 130) }
```


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

```
.border{ border-color:rgb(180, 103, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 103, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 103, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 103, 130);  
box-shadow:4px 4px 4px 4px rgb(180, 103,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7019, 21.0155, 23.7154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 103, 130) }
```

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

```
.background{ background-color: rgb(180,  
103, 130) }
```

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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