

# Converting Colors

XYZ(29.6632, 23.0257, 28.1322)

Have a look what the booklet for  
XYZ(29.6632, 23.0257, 28.1322)  
contains.

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# Color

**XYZ(29.6751, 23.0200,  
28.0786)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">B66E8D</a>
RGB	<a href="#">182, 110, 141</a>
RGB Percent	<a href="#">71%, 43%, 55%</a>
CMY	<a href="#">0.2863, 0.5686, 0.4471</a>
CMYK	<a href="#">0.00, 0.40, 0.23, 0.29</a>
HSL	<a href="#">334°, 33%, 57%</a>
HSV	<a href="#">334°, 40%, 71%</a>
XYZ	<a href="#">29.6751, 23.0200, 28.0786</a>
YIQ	<a href="#">135.0620, 32.9610, 24.9050</a>

# Conversions

## Conversions Part 2

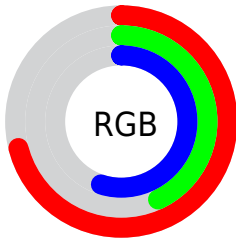
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	182, 110, 141
Decimal	11955853
CIE Lab	55.09, 32.76, -4.73
CIE LCh	55, 33.103, 351.789
Yxy	23.0200, 0.3674, 0.2850
Android (android.graphics.Color)	4290145933 (0xFFB66E8D)
YUV	135.0620, 2.9274, 41.1646
Hunter-Lab	47.9792, 26.4387, -1.1126

# Details

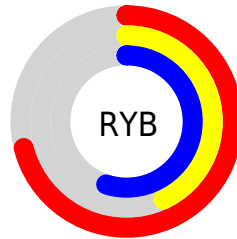
The XYZ color **29.6751, 23.0200, 28.0786** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **28.7453, 39.0060, 35.2939**, and the grayscale version is **23.0336, 24.2331, 26.3899**.

A 20% lighter version of the original color is **58.5441, 48.4852, 57.9027**, and **12.2566, 8.4991, 10.8920** is the 20% darker color. If you saturate the color by 10%, you get **27.1739, 19.1945, 23.6164**, and if you desaturate by 10%, it is **32.6531, 27.6832, 33.0563**.

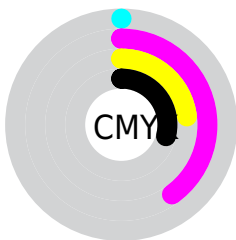
# Distribution



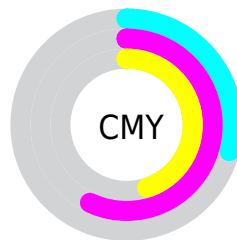
- Red (71%)
- Green (43%)
- Blue (55%)



- Red (71%)
- Yellow (43%)
- Blue (55%)



- Cyan (0%)
- Magenta (40%)
- Yellow (23%)
- Black (29%)




- Cyan (29%)
- Magenta (57%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6751, 23.0200, 28.0786 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 29.6751, 23.0200, 28.0786 by changing the saturation by 10% instead.





 29.6751, 23.0200,  
28.0786


 29.6751, 23.0200,  
28.0786


292.3242,  
267.8277, 306.7661


 19.7390, 14.6083,  
18.1454


 58.5382, 48.4262,  
57.6345


 12.3126, 8.5449,  
10.8839


 78.1958, 66.1894,  
78.0943

 7.0306, 4.4456,  
5.8756


 101.8246, 87.8386,  
102.9000

 3.5278, 1.9258,  
2.7020

 129.7900,  
113.7581, 132.4701

 1.4386, 0.5638,  
0.9444

162.4573,  
144.3324, 167.2232

 0.2835, 0.0000,  
0.0000

200.1918,

 0.0000, 0.0000,

179.9458, 207.5779

0.0000

243.3590,  
220.9828, 253.9527

■ 29.6751, 23.0200,  
28.0786

■ 29.6751, 23.0200,  
28.0786

■ 27.1739, 19.1945,  
23.6164

■ 32.6531, 27.6832,  
33.0563

■ 25.1207, 16.1527,  
19.6497

■ 36.1305, 33.2269,  
38.5657

■ 23.4865, 13.8399,  
16.1590


■ 40.1309, 39.6952,  
44.6240


■ 22.2377, 12.1923,  
13.1223


■ 44.6758, 47.1280,  
51.2468


■ 21.3352, 11.1353,  
10.5154


■ 49.7852, 55.5630,  
58.4494


 20.7048, 10.5244,  
8.3019

 55.4784, 65.0359,  
66.2462

 20.6795, 10.5004,  
8.2117

 61.7736, 75.5805,  
74.6513

 68.4948, 86.8424,  
83.6137

 69.9432, 87.4218,  
91.2412

# Harmonies

## Analogous

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



27.9376, 23.0200, 39.8418



29.6751, 23.0200, 28.0786



29.1466, 23.0200, 18.2574

# Triad

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



29.6751, 23.0200, 28.0786



19.3519, 23.0200, 10.5415



17.7802, 23.0200, 44.6468

# Complementary

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



29.6751, 23.0200, 28.0786



28.7453, 39.0060, 35.2939

# 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.



15.9339, 23.0200, 33.3837



29.6751, 23.0200, 28.0786



16.7678, 23.0200, 14.4849

# Square

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



29.6751, 23.0200, 28.0786



22.9083, 23.0200, 9.8593



15.5853, 23.0200, 22.2749



20.8826, 23.0200, 51.0156



# Rectangle

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



29.6751, 23.0200, 28.0786



27.6041, 23.0200, 13.8215



15.5853, 23.0200, 22.2749



17.0072, 23.0200, 41.1792

# Sweetspot

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



29.6758, 23.0211, 28.0791



70.7438, 68.6978, 77.8989



26.7458, 21.0906, 46.9176



15.4128, 14.8292, 16.8861



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.



29.6758, 23.0211, 28.0791



50.0048, 35.9162, 44.1761



28.2147, 23.2879, 17.7610



9.1608, 9.0747, 10.1942



14.6356, 7.4280, 5.9676



0.5471, 0.2743, 0.3744



# Inverse Universe

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



29.6758, 23.0211, 28.0791



50.0048, 35.9162, 44.1761



30.6364, 38.2164, 50.0182



9.1608, 9.0747, 10.1942



14.6356, 7.4280, 5.9676



0.5471, 0.2743, 0.3744



# Previews

## White Background



This preview shows how the XYZ color 29.6751, 23.0200, 28.0786 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

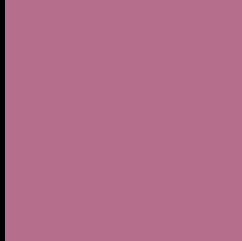
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 29.6751, 23.0200, 28.0786 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

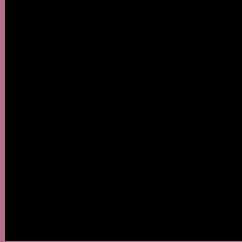
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 29.6751, 23.0200, 28.0786**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.6751, 23.0200, 28.0786.



This preview shows how white text looks on a background with the XYZ color 29.6751, 23.0200,



# 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

29.6751, 23.0200, 28.0786

### Protanopia

22.8511, 23.1549, 33.8368

### Deuteranopia

23.6343, 23.1130, 27.2603



## Tritanopia

28.2404, 22.9187, 21.3477

# Trichromacy



## Original Color

29.6751, 23.0200, 28.0786

## Protanomaly

24.7205, 22.6317, 31.4992

## Deuteranomaly

25.4022, 22.7069, 27.4701

## Tritanomaly

28.8127, 22.9971, 23.6892

# Monochromacy



## Original Color

29.6751, 23.0200, 28.0786

## Achromatopsia

23.0288, 24.2281, 26.3844

## Achromatomaly

24.9251, 23.4033, 26.8705

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.6751, 23.0200, 28.0786 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(182, 110, 141)` looks like.

```
.text, #text, p{  
    color:rgb(182, 110, 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(182, 110, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 110, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 29.6751, 23.0200, 28.0786 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(182, 110, 141) }
```



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

```
.border{ border-color:rgb(182, 110, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 110, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 110, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 110, 141);  
box-shadow:4px 4px 4px 4px rgb(182, 110,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.6751, 23.0200, 28.0786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 110, 141) }
```

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

```
.background{ background-color: rgb(182,  
110, 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](#).

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