

Converting Colors

XYZ(23.7028, 16.3835, 21.8663)

Have a look what the booklet for
XYZ(23.7028, 16.3835, 21.8663)
contains.

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Color

**XYZ(23.7186, 16.3767,
21.9896)**

Conversions

Conversions Part 1

Format	Color
Hex	AB537F
RGB	171, 83, 127
RGB Percent	67%, 33%, 50%
CMY	0.3294, 0.6745, 0.5020
CMYK	0.00, 0.51, 0.26, 0.33
HSL	330°, 35%, 50%
HSV	330°, 51%, 67%
XYZ	23.7186, 16.3767, 21.9896
YIQ	114.3280, 38.3240, 32.3400

Conversions

Conversions Part 2

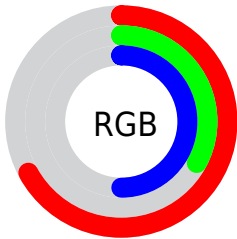
Format	Color
R_{YB}	171, 83, 127
Decimal	11228031
CIE Lab	47.46, 41.23, -7.92
CIE LCh	47, 41.987, 349.129
Yxy	16.3767, 0.3820, 0.2638
Android (android.graphics.Color)	4289418111 (0xFFAB537F)
YUV	114.3280, 6.2473, 49.7013
Hunter-Lab	40.4681, 33.8006, -3.8893

Details

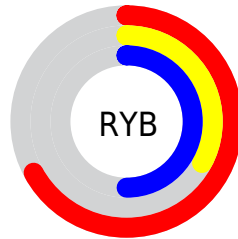
The XYZ color **23.7186, 16.3767, 21.9896** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **21.9617, 32.4976, 25.1953**, and the grayscale version is **16.0669, 16.9037, 18.4081**.

A 20% lighter version of the original color is **48.8971, 37.1172, 47.7672**, and **9.0676, 5.2430, 7.7418** is the 20% darker color. If you saturate the color by 10%, you get **22.0342, 13.8620, 18.7944**, and if you desaturate by 10%, it is **25.7740, 19.5572, 25.5421**.

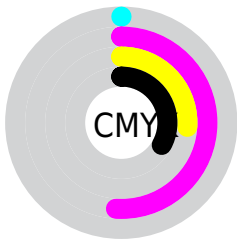
Distribution



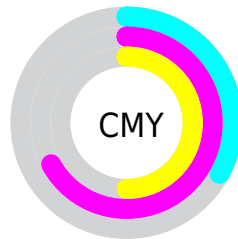
- Red (67%)
- Green (33%)
- Blue (50%)



- Red (67%)
- Yellow (33%)
- Blue (50%)



- Cyan (0%)
- Magenta (51%)
- Yellow (26%)
- Black (33%)



- Cyan (33%)
- Magenta (67%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7186, 16.3767, 21.9896 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 23.7186, 16.3767, 21.9896 by changing the saturation by 10% instead.

■ 23.7186, 16.3767,
21.9896

■ 23.7186, 16.3767,
21.9896

263.8617,
231.5544, 275.4437

■ 15.2486, 9.7911,
13.6510

■ 49.0286, 37.2509,
47.6308

■ 9.0815, 5.2607,
7.7424

■ 66.5994, 52.3084,
65.7704

■ 4.8519, 2.4010,
3.8451

■ 87.9344, 70.9586,
88.0142

■ 2.1945, 0.8264,
1.5408

■ 113.3992, 93.5859,
114.7807

■ 0.7398, 0.0000,
0.2480

■ 143.3589,
120.5747, 146.4883

■ 0.0000, 0.0000,
0.0000

178.1790,

152.3095, 183.5556

218.2248,
189.1746, 226.4013

■ 23.7186, 16.3767,
21.9896

■ 23.7186, 16.3767,
21.9896

■ 22.0342, 13.8620,
18.7944

■ 25.7740, 19.5572,
25.5421

■ 20.6938, 11.9619,
15.9415

■ 28.2216, 23.4450,
29.4641

■ 19.6694, 10.6216,
13.4154

■ 31.0830, 28.0809,
33.7683

■ 18.9268, 9.7753,
11.1986

■ 34.3774, 33.5020,
38.4664

■ 18.4542, 9.3218,
9.5247

■ 38.1230, 39.7429,
43.5694

■ 42.3368, 46.8360,
49.0880

■ 47.0349, 54.8121,
55.0322

■ 52.2327, 63.7004,
61.4118

■ 57.9449, 73.5287,
68.2363

Harmonies

Analogous

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



21.6388, 16.3767, 34.9181



23.7186, 16.3767, 21.9896



23.3666, 16.3767, 11.9152

Triad

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



23.7186, 16.3767, 21.9896



13.3330, 16.3767, 4.6192



11.3308, 16.3767, 38.2931

Complementary

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



23.7186, 16.3767, 21.9896



21.9617, 32.4976, 25.1953

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.



9.7285, 16.3767, 25.4394



23.7186, 16.3767, 21.9896



10.7504, 16.3767, 7.4899

Square

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



23.7186, 16.3767, 21.9896



16.9568, 16.3767, 4.3152



9.5345, 16.3767, 14.2336



14.2526, 16.3767, 46.5405

Rectangle

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



23.7186, 16.3767, 21.9896



21.8137, 16.3767, 7.7612



9.5345, 16.3767, 14.2336



10.6414, 16.3767, 34.1754

Sweetspot

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



23.7191, 16.3775, 21.9899



59.2289, 56.1354, 65.6045



19.1971, 13.6397, 40.1492



12.9384, 12.0742, 14.2454



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.7191, 16.3775, 21.9899



39.0280, 24.1960, 32.7821



21.4498, 15.4698, 10.0400



8.1660, 8.0796, 9.1848



13.9383, 7.0378, 7.3203



0.4154, 0.2068, 0.3492

Inverse Universe

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



23.7191, 16.3775, 21.9899



39.0280, 24.1960, 32.7821



25.4814, 33.9055, 43.7297



8.1660, 8.0796, 9.1848



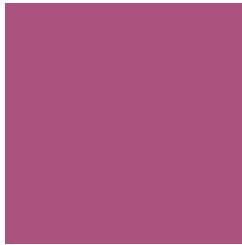
13.9383, 7.0378, 7.3203



0.4154, 0.2068, 0.3492

Previews

White Background



This preview shows how the XYZ color 23.7186, 16.3767, 21.9896 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 23.7186, 16.3767, 21.9896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

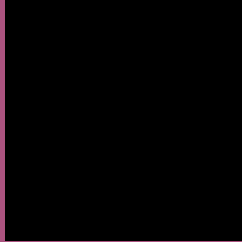
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.7186, 16.3767, 21.9896

Background



This preview shows how black text looks on a background with the XYZ color 23.7186, 16.3767, 21.9896.



This preview shows how white text looks on a background with the XYZ color 23.7186, 16.3767,

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

23.7186, 16.3767, 21.9896

Protanopia

16.6914, 16.6067, 29.5198

Deuteranopia

16.8968, 16.5750, 21.0476



Tritanopia

21.8321, 16.3141, 13.0646

Trichromacy



Original Color

23.7186, 16.3767, 21.9896

Protanomaly

18.2160, 15.7606, 26.5081

Deuteranomaly

18.8427, 16.0585, 21.1753

Tritanomaly

22.4242, 16.3129, 15.8767

Monochromacy



Original Color

23.7186, 16.3767, 21.9896

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

18.1717, 16.1833, 19.6187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7186, 16.3767, 21.9896 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(171, 83, 127)` looks like.

```
.text, #text, p{  
    color:rgb(171, 83, 127)  
}
```

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(171, 83, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 83, 127) }
```

Border

The CSS property to change the border of an element to XYZ 23.7186, 16.3767, 21.9896 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(171, 83, 127) }
```


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

```
.border{ border-color:rgb(171, 83, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 83, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 83, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 83, 127); box-shadow:4px 4px 4px 4px rgb(171, 83, 127) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7186, 16.3767, 21.9896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 83, 127) }
```

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

```
.background{ background-color: rgb(171, 83,  
127) }
```

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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