

Converting Colors

XYZ(23.7000, 16.1285, 22.6336)

Have a look what the booklet for
XYZ(23.7000, 16.1285, 22.6336)
contains.

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Color

**XYZ(23.6995, 16.1278,
22.6327)**

Conversions

Conversions Part 1

Format	Color
Hex	AB5181
RGB	171, 81, 129
RGB Percent	67%, 32%, 51%
CMY	0.3294, 0.6823, 0.4941
CMYK	0.00, 0.53, 0.25, 0.33
HSL	328°, 36%, 49%
HSV	328°, 53%, 67%
XYZ	23.6995, 16.1278, 22.6327
YIQ	113.3820, 38.2320, 34.0080

Conversions

Conversions Part 2

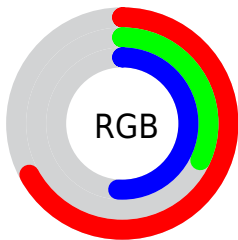
Format	Color
R_{YB}	171, 81, 129
Decimal	11227521
CIE _{Lab}	47.14, 42.54, -9.61
CIE _{LCh}	47, 43.614, 347.273
Yxy	16.1278, 0.3794, 0.2582
Android (android.graphics.Color)	4289417601 (0xFFAB5181)
YUV	113.3820, 7.6997, 50.5310
Hunter-Lab	40.1594, 35.0602, -5.3025

Details

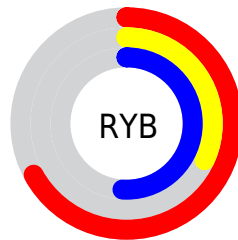
The XYZ color **23.6995, 16.1278, 22.6327** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **21.5323, 32.3058, 23.8414**, and the grayscale version is **15.7799, 16.6017, 18.0793**.

A 20% lighter version of the original color is **48.8259, 36.6464, 48.7560**, and **9.0898, 5.1709, 8.1084** is the 20% darker color. If you saturate the color by 10%, you get **22.0752, 13.6950, 19.5755**, and if you desaturate by 10%, it is **25.6862, 19.2186, 26.0155**.

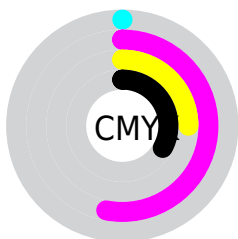
Distribution



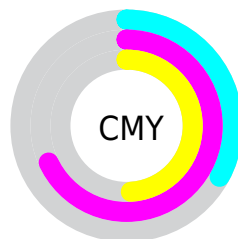
- Red (67%)
- Green (32%)
- Blue (51%)



- Red (67%)
- Yellow (32%)
- Blue (51%)



- Cyan (0%)
- Magenta (53%)
- Yellow (25%)
- Black (33%)



- Cyan (33%)
- Magenta (68%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6995, 16.1278, 22.6327 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 23.6995, 16.1278, 22.6327 by changing the saturation by 10% instead.

■ 23.6995, 16.1278,
22.6327

■ 23.6995, 16.1278,
22.6327

263.7665,
230.0947, 278.8933

■ 15.2344, 9.6146,
14.1198

■ 48.9976, 36.8199,
48.7050

■ 9.0714, 5.1442,
8.0643

■ 66.5614, 51.7677,
67.1015

■ 4.8453, 2.3321,
4.0478

■ 87.8887, 70.2957,
89.6297

■ 2.1906, 0.7906,
1.6516

■ 113.3449, 92.7885,
116.7079

■ 0.7378, 0.0000,
0.3272

■ 143.2955,
119.6304, 148.7549

■ 0.0000, 0.0000,
0.0000

178.1057,

151.2058, 186.1891

218.1409,
187.8991, 229.4290

■ 23.6995, 16.1278,
22.6327

■ 23.6995, 16.1278,
22.6327

■ 22.0752, 13.6950,
19.5755

■ 25.6862, 19.2186,
26.0155

■ 20.7863, 11.8686,
16.8297

■ 28.0567, 23.0095,
29.7349

■ 19.8044, 10.5928,
14.3813

■ 30.8324, 27.5414,
33.8028

■ 19.0950, 9.8004,
12.2137

■ 34.0325, 32.8518,
38.2296

■ 18.6915, 9.4167,
10.7743

■ 37.6753, 38.9754,
43.0255

■ 41.7775, 45.9449,
48.2003

■ 46.3553, 53.7911,
53.7630

■ 51.4239, 62.5433,
59.7226

■ 56.9980, 72.2294,
66.0877

Harmonies

Analogous

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



21.4048, 16.1278, 36.1261



23.6995, 16.1278, 22.6327



23.4978, 16.1278, 12.0097

Triad

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



23.6995, 16.1278, 22.6327



13.2433, 16.1278, 4.1336



10.8527, 16.1278, 38.0746

Complementary

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



23.6995, 16.1278, 22.6327



21.5323, 32.3058, 23.8414

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.



9.3138, 16.1278, 24.6020



23.6995, 16.1278, 22.6327



10.5278, 16.1278, 6.7801

Square

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



23.6995, 16.1278, 22.6327



17.0106, 16.1278, 3.9706



9.2057, 16.1278, 13.3090



13.7621, 16.1278, 47.2402

Rectangle

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



23.6995, 16.1278, 22.6327



21.9729, 16.1278, 7.6291



9.2057, 16.1278, 13.3090



10.1807, 16.1278, 33.6940

Sweetspot

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



23.7000, 16.1286, 22.6330



58.7657, 55.1946, 65.4940



18.4623, 13.0371, 40.0717



12.8493, 11.8842, 14.2524



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.



23.7000, 16.1286, 22.6330



39.1556, 23.9747, 34.2934



21.3379, 15.1838, 10.1947



8.1770, 8.0841, 9.2431



14.1174, 7.1095, 8.2634



0.4200, 0.2087, 0.3737

Inverse Universe

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



23.7000, 16.1286, 22.6330



39.1556, 23.9747, 34.2934



25.0247, 33.7027, 42.2324



8.1770, 8.0841, 9.2431



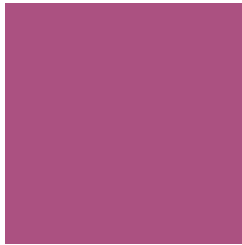
14.1174, 7.1095, 8.2634



0.4200, 0.2087, 0.3737

Previews

White Background



This preview shows how the XYZ color 23.6995, 16.1278, 22.6327 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 23.6995, 16.1278, 22.6327 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 23.6995, 16.1278, 22.6327

Background



This preview shows how black text looks on a background with the XYZ color 23.6995, 16.1278, 22.6327.



This preview shows how white text looks on a background with the XYZ color 23.6995, 16.1278,

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

23.6995, 16.1278, 22.6327

Protanopia

16.6690, 16.3957, 31.1403

Deuteranopia

16.5779, 16.2441, 21.3304



Tritanopia

21.7037, 16.1305, 12.7961

Trichromacy



Original Color

23.6995, 16.1278, 22.6327

Protanomaly

18.1921, 15.5794, 27.6395

Deuteranomaly

18.5443, 15.7484, 21.8010

Tritanomaly

22.2645, 15.9936, 15.8235

Monochromacy



Original Color

23.6995, 16.1278, 22.6327

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.8150, 15.7076, 19.5457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6995, 16.1278, 22.6327 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, 81, 129)` looks like.

```
.text, #text, p{  
    color:rgb(171, 81, 129)  
}
```

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, 81, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 81, 129) }
```

Border

The CSS property to change the border of an element to XYZ 23.6995, 16.1278, 22.6327 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, 81, 129) }
```


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

```
.border{ border-color:rgb(171, 81, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 81, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 81, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 81, 129);  
box-shadow:4px 4px 4px 4px rgb(171, 81,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6995, 16.1278, 22.6327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 81, 129) }
```

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

```
.background{ background-color: rgb(171, 81,  
129) }
```

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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