

Converting Colors

XYZ(23.5488, 16.5759, 21.7733)

Have a look what the booklet for
XYZ(23.5488, 16.5759, 21.7733)
contains.

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Color

**XYZ(23.5920, 16.5494,
21.6896)**

Conversions

Conversions Part 1

Format	Color
Hex	AA557E
RGB	170, 85, 126
RGB Percent	67%, 33%, 49%
CMY	0.3333, 0.6666, 0.5059
CMYK	0.00, 0.50, 0.26, 0.33
HSL	331°, 33%, 50%
HSV	331°, 50%, 67%
XYZ	23.5920, 16.5494, 21.6896
YIQ	115.0890, 37.4990, 30.7710

Conversions

Conversions Part 2

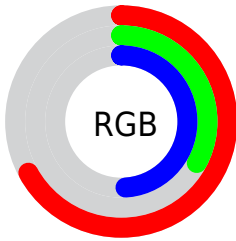
Format	Color
R_{YB}	170, 85, 126
Decimal	11163006
CIE _{Lab}	47.69, 39.71, -7.00
CIE _{LCh}	48, 40.327, 350.005
Yxy	16.5494, 0.3816, 0.2677
Android (android.graphics.Color)	4289353086 (0xFFAA557E)
YUV	115.0890, 5.3791, 48.1569
Hunter-Lab	40.6810, 32.3254, -3.1346

Details

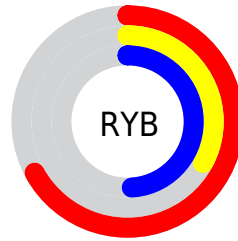
The XYZ color **23.5920, 16.5494, 21.6896** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **22.0843, 32.2663, 25.8345**, and the grayscale version is **16.2994, 17.1482, 18.6744**.

A 20% lighter version of the original color is **48.7609, 37.4769, 47.3116**, and **8.9818, 5.3247, 7.5756** is the 20% darker color. If you saturate the color by 10%, you get **21.8678, 13.9700, 18.4353**, and if you desaturate by 10%, it is **25.6887, 19.7934, 25.3149**.

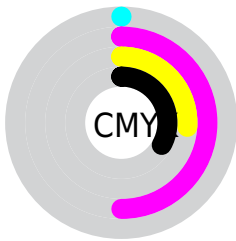
Distribution



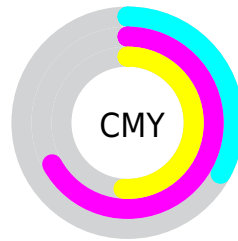
- Red (67%)
- Green (33%)
- Blue (49%)



- Red (67%)
- Yellow (33%)
- Blue (49%)



- Cyan (0%)
- Magenta (50%)
- Yellow (26%)
- Black (33%)





- Cyan (33%)
- Magenta (67%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5920, 16.5494, 21.6896 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 23.5920, 16.5494, 21.6896 by changing the saturation by 10% instead.


 23.5920, 16.5494,
21.6896


 23.5920, 16.5494,
21.6896


263.2302,
232.5621, 273.8214


 15.1543, 9.9138,
13.4329


 48.8231, 37.5494,
47.1280


 9.0148, 5.3418,
7.5931


 66.3473, 52.6825,
65.1468


 4.8080, 2.4492,
3.7517

 87.6310, 71.4170,
87.2567

 2.1687, 0.8510,
1.4901

 113.0396, 94.1371,
113.8762

 0.7261, 0.0000,
0.2106

 142.9385,
121.2272, 145.4239

 0.0000, 0.0000,
0.0000

177.6929,

153.0719, 182.3183

217.6684,
190.0554, 224.9779

■ 23.5920, 16.5494,
21.6896

■ 23.5920, 16.5494,
21.6896

■ 21.8678, 13.9700,
18.4353

■ 25.6887, 19.7934,
25.3149

■ 20.4898, 12.0054,
15.5365

■ 28.1787, 23.7423,
29.3237

■ 19.4307, 10.6028,
12.9776


■ 31.0830, 28.4360,
33.7291


■ 18.6579, 9.6990,
10.7408

■ 34.4206, 33.9105,
38.5431


■ 18.1007, 9.1554,
8.7955


■ 38.2093, 40.1998,
43.7771

 18.1005, 9.1552,
8.7950

 42.4659, 47.3356,
49.4421

 47.2062, 55.3480,
55.5485

 52.4454, 64.2656,
62.1064

 58.1979, 74.1158,
69.1256

Harmonies

Analogous

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



21.6606, 16.5494, 34.0286



23.5920, 16.5494, 21.6896



23.1842, 16.5494, 12.0452

Triad

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



23.5920, 16.5494, 21.6896



13.4754, 16.5494, 5.0614



11.6817, 16.5494, 37.9097

Complementary

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



23.5920, 16.5494, 21.6896



22.0843, 32.2663, 25.8345

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.



10.0736, 16.5494, 25.7004



23.5920, 16.5494, 21.6896



10.9942, 16.5494, 8.0343

Square

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



23.5920, 16.5494, 21.6896



16.9638, 16.5494, 4.6866



9.8428, 16.5494, 14.7887



14.5569, 16.5494, 45.4956

Rectangle

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



23.5920, 16.5494, 21.6896



21.6596, 16.5494, 8.0328



9.8428, 16.5494, 14.7887



10.9948, 16.5494, 34.0325

Sweetspot

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



23.5925, 16.5502, 21.6899



59.1580, 56.1071, 65.2312



19.5456, 14.0608, 39.7143



12.9207, 12.0671, 14.1524



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.



23.5925, 16.5502, 21.6899



39.3741, 24.9055, 32.8442



21.5791, 15.9251, 10.5318



7.6762, 7.6003, 8.6120



13.3428, 6.7458, 6.6168



0.3506, 0.1745, 0.2978

Inverse Universe

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



23.5925, 16.5502, 21.6899



39.3741, 24.9055, 32.8442



25.1132, 33.0552, 43.0872



7.6762, 7.6003, 8.6120



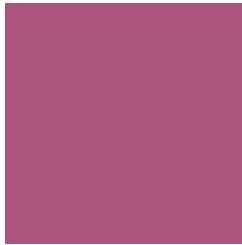
13.3428, 6.7458, 6.6168



0.3506, 0.1745, 0.2978

Previews

White Background



This preview shows how the XYZ color 23.5920, 16.5494, 21.6896 looks on a white background.

Color Contrast Check

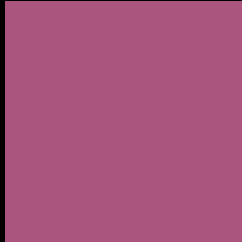
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5920, 16.5494, 21.6896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

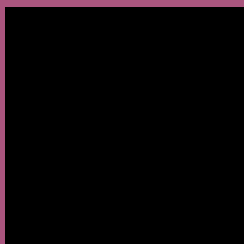
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.5920, 16.5494, 21.6896

Background



This preview shows how black text looks on a background with the XYZ color 23.5920, 16.5494, 21.6896.



This preview shows how white text looks on a background with the XYZ color 23.5920, 16.5494,

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

23.5920, 16.5494, 21.6896

Protanopia

16.7721, 16.6661, 28.7185

Deuteranopia

16.9739, 16.6219, 20.7261



Tritanopia

21.8351, 16.5607, 13.3550

Trichromacy



Original Color

23.5920, 16.5494, 21.6896

Protanomaly

18.3200, 15.9760, 25.7850

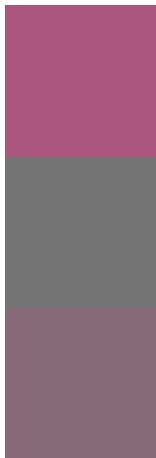
Deuteranomaly

18.8763, 16.2264, 20.8760

Tritanomaly

22.4276, 16.5523, 16.2002

Monochromacy



Original Color

23.5920, 16.5494, 21.6896

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

18.2718, 16.3834, 19.6521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5920, 16.5494, 21.6896 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(170, 85, 126)` looks like.

```
.text, #text, p{  
    color:rgb(170, 85, 126)  
}
```

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(170, 85, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 85, 126) }
```

Border

The CSS property to change the border of an element to XYZ 23.5920, 16.5494, 21.6896 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(170, 85, 126) }
```


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

```
.border{ border-color:rgb(170, 85, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 85, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 85, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 85, 126);  
box-shadow:4px 4px 4px 4px rgb(170, 85,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5920, 16.5494, 21.6896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 85, 126) }
```

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

```
.background{ background-color: rgb(170, 85,  
126) }
```

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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