

Converting Colors

XYZ(23.9857, 15.7944, 15.6599)

Have a look what the booklet for
XYZ(23.9857, 15.7944, 15.6599)
contains.

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Color

**XYZ(23.9923, 15.7970,
15.6945)**

Conversions

Conversions Part 1

Format	Color
Hex	B44B6B
RGB	180, 75, 107
RGB Percent	71%, 29%, 42%
CMY	0.2941, 0.7059, 0.5804
CMYK	0.00, 0.58, 0.41, 0.29
HSL	342°, 41%, 50%
HSV	342°, 58%, 71%
XYZ	23.9923, 15.7970, 15.6945
YIQ	110.0430, 52.3080, 32.2120

Conversions

Conversions Part 2

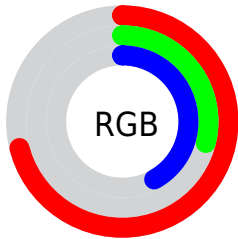
Format	Color
R_{YB}	180, 75, 107
Decimal	11815787
CIE _{Lab}	46.71, 45.71, 3.25
CIE _{LCh}	47, 45.822, 4.069
Yxy	15.7970, 0.4324, 0.2847
Android (android.graphics.Color)	4290005867 (0xFFB44B6B)
YUV	110.0430, -1.5002, 61.3523
Hunter-Lab	39.7454, 38.1968, 4.4096

Details

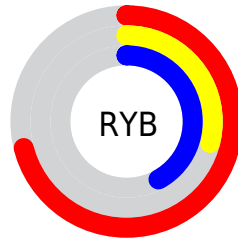
The XYZ color **23.9923, 15.7970, 15.6945** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **24.5691, 36.2769, 33.7265**, and the grayscale version is **14.8276, 15.5998, 16.9882**.

A 20% lighter version of the original color is **49.4873, 36.2577, 36.7379**, and **9.2003, 4.9698, 4.7493** is the 20% darker color. If you saturate the color by 10%, you get **22.3280, 13.4471, 12.1230**, and if you desaturate by 10%, it is **26.0981, 18.8774, 19.8837**.

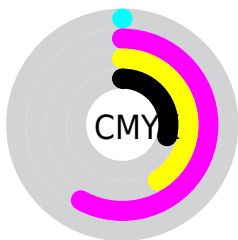
Distribution



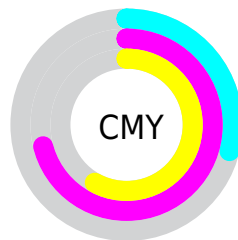
- Red (71%)
- Green (29%)
- Blue (42%)



- Red (71%)
- Yellow (29%)
- Blue (42%)



- Cyan (0%)
- Magenta (58%)
- Yellow (41%)
- Black (29%)



- Cyan (29%)
- Magenta (71%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9923, 15.7970, 15.6945 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 23.9923, 15.7970, 15.6945 by changing the saturation by 10% instead.

■ 23.9923, 15.7970,
15.6945

■ 23.9923, 15.7970,
15.6945

265.2227,
228.1409, 239.3161

■ 15.4526, 9.3806,
9.1562

■ 49.4724, 36.2454,
36.8264

■ 9.2260, 4.9903,
4.7450

■ 67.1435, 51.0463,
52.2571

■ 4.9472, 2.2416,
2.0423

■ 88.5892, 69.4107,
71.4891

■ 2.2508, 0.7425,
0.5811

■ 114.1747, 91.7232,
94.9408

■ 0.7693, 0.0000,
0.0000

■ 144.2655,
118.3680, 123.0308

■ 0.0000, 0.0000,
0.0000

179.2268,

149.7296, 156.1776

219.4241,
186.1925, 194.7999

■ 23.9923, 15.7970,
15.6945

■ 23.9923, 15.7970,
15.6945

■ 22.3280, 13.4471,
12.1230

■ 26.0981, 18.8774,
19.8837

■ 21.0700, 11.7635,
9.1369

■ 28.6744, 22.7403,
24.7187

■ 20.1790, 10.6752,
6.7016

■ 31.7493, 27.4358,
30.2269

■ 19.5920, 10.0634,
4.7730

■ 35.3480, 33.0090,
36.4336

■ 19.5084, 9.9777,
4.4934

■ 39.4942, 39.5020,
43.3629

■ 44.2099, 46.9539,
51.0377

■ 49.5161, 55.4017,
59.4797

■ 55.4326, 64.8804,
68.7099

■ 61.9783, 75.4232,
78.7484

Harmonies

Analogous

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



22.9823, 15.7970, 28.6454



23.9923, 15.7970, 15.6945



22.2701, 15.7970, 7.6275

Triad

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



23.9923, 15.7970, 15.6945



11.1302, 15.7970, 4.7001



11.9168, 15.7970, 45.3174

Complementary

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



23.9923, 15.7970, 15.6945



24.5691, 36.2769, 33.7265

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.



9.5357, 15.7970, 32.5906



23.9923, 15.7970, 15.6945



9.1409, 15.7970, 9.2998

Square

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



23.9923, 15.7970, 15.6945



14.4792, 15.7970, 3.3083



8.6130, 15.7970, 18.7993



15.5630, 15.7970, 49.5369

Rectangle

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



23.9923, 15.7970, 15.6945



19.9562, 15.7970, 4.8738



8.6130, 15.7970, 18.7993



10.9645, 15.7970, 41.6814

Sweetspot

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



23.9927, 15.7978, 15.6948



64.8277, 60.9968, 67.3056



22.7429, 14.5084, 44.7817



13.7134, 12.7191, 14.0413



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.



23.9927, 15.7978, 15.6948



39.7589, 23.3885, 20.3228



24.1180, 18.2622, 8.9115



8.5994, 8.5465, 9.3891



13.6424, 6.9745, 3.2768



0.4559, 0.2301, 0.2435

Inverse Universe

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



23.9927, 15.7978, 15.6948



39.7589, 23.3885, 20.3228



23.8417, 30.1942, 47.7514



8.5994, 8.5465, 9.3891



13.6424, 6.9745, 3.2768



0.4559, 0.2301, 0.2435

Previews

White Background



This preview shows how the XYZ color 23.9923, 15.7970, 15.6945 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 23.9923, 15.7970, 15.6945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

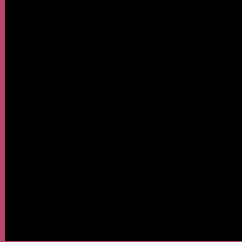
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.9923, 15.7970, 15.6945

Background



This preview shows how black text looks on a background with the XYZ color 23.9923, 15.7970, 15.6945.



This preview shows how white text looks on a background with the XYZ color 23.9923, 15.7970,

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

23.9923, 15.7970, 15.6945

Protanopia

15.6566, 15.8985, 22.6656

Deuteranopia

16.2602, 15.9103, 14.7844



Tritanopia

22.7958, 15.7128, 10.4257

Trichromacy



Original Color

23.9923, 15.7970, 15.6945

Protanomaly

17.4964, 14.9738, 19.7374

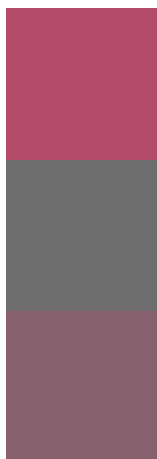
Deuteranomaly

18.4450, 15.2949, 15.0768

Tritanomaly

23.2906, 15.8228, 12.1825

Monochromacy



Original Color

23.9923, 15.7970, 15.6945

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

17.0267, 14.8044, 16.4281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9923, 15.7970, 15.6945 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, 75, 107)` looks like.

```
.text, #text, p{  
    color:rgb(180, 75, 107)  
}
```

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, 75, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 75, 107) }
```

Border

The CSS property to change the border of an element to XYZ 23.9923, 15.7970, 15.6945 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, 75, 107) }
```


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

```
.border{ border-color:rgb(180, 75, 107) }
```

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

Here you see how a box with a 4 pixel rgb(180, 75, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 75, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 75, 107);  
box-shadow:4px 4px 4px 4px rgb(180, 75,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9923, 15.7970, 15.6945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 75, 107) }
```

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

```
.background{ background-color: rgb(180, 75,  
107) }
```

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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