

Converting Colors

XYZ(23.8569, 15.3072, 20.9795)

Have a look what the booklet for
XYZ(23.8569, 15.3072, 20.9795)
contains.

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Color

**XYZ(23.9235, 15.3455,
21.1031)**

Conversions

Conversions Part 1

Format	Color
Hex	B0487D
RGB	176, 72, 125
RGB Percent	69%, 28%, 49%
CMY	0.3098, 0.7176, 0.5098
CMYK	0.00, 0.59, 0.29, 0.31
HSL	329°, 42%, 49%
HSV	329°, 59%, 69%
XYZ	23.9235, 15.3455, 21.1031
YIQ	109.1380, 44.9710, 38.5310

Conversions

Conversions Part 2

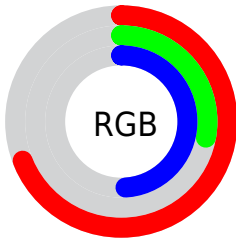
Format	Color
R_{YB}	176, 72, 125
Decimal	11552893
CIE _{Lab}	46.10, 48.00, -8.67
CIE _{LCh}	46, 48.781, 349.766
Yxy	15.3455, 0.3963, 0.2542
Android (android.graphics.Color)	4289742973 (0xFFB0487D)
YUV	109.1380, 7.8200, 58.6380
Hunter-Lab	39.1733, 40.4582, -4.5188

Details

The XYZ color **23.9235, 15.3455, 21.1031** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **21.7738, 33.8588, 24.1285**, and the grayscale version is **14.5451, 15.3026, 16.6646**.

A 20% lighter version of the original color is **49.3012, 35.3740, 46.3489**, and **9.1817, 4.7778, 7.2758** is the 20% darker color. If you saturate the color by 10%, you get **22.4166, 13.1759, 17.9976**, and if you desaturate by 10%, it is **25.8049, 18.1871, 24.5702**.

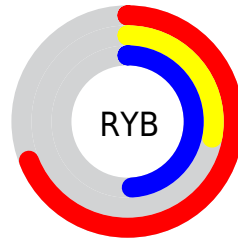
Distribution



Red (69%)

Green (28%)

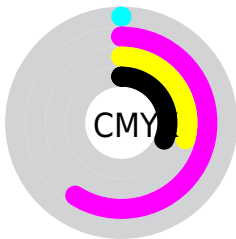
Blue (49%)



Red (69%)

Yellow (28%)

Blue (49%)

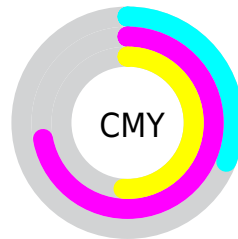


Cyan (0%)

Magenta (59%)

Yellow (29%)

Black (31%)



Cyan (31%)

Magenta (72%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9235, 15.3455, 21.1031 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 23.9235, 15.3455, 21.1031 by changing the saturation by 10% instead.

■ 23.9235, 15.3455,
21.1031

■ 23.9235, 15.3455,
21.1031

264.8811,
225.4480, 270.6249

■ 15.4013, 9.0622,
13.0074

■ 49.3609, 35.4582,
46.1421

■ 9.1897, 4.7818,
7.3029

■ 67.0069, 50.0563,
63.9224

■ 4.9232, 2.1198,
3.5709

■ 88.4248, 68.1949,
85.7681

■ 2.2366, 0.6757,
1.3930

■ 113.9800, 90.2583,
112.0976

■ 0.7619, 0.0000,
0.1363

■ 144.0379,
116.6310, 143.3295

■ 0.0000, 0.0000,
0.0000

178.9638,

147.6972, 179.8823

219.1231,
183.8414, 222.1746

■ 23.9235, 15.3455,
21.1031

■ 23.9235, 15.3455,
21.1031

■ 22.4166, 13.1759,
17.9976

■ 25.8049, 18.1871,
24.5702

■ 21.2529, 11.6183,
15.2368

■ 28.0859, 21.7494,
28.4125

■ 20.3981, 10.6058,
12.8032

■ 30.7909, 26.0792,
32.6440

■ 19.7877, 10.0113,
10.6688

■ 33.9417, 31.2186,
37.2772

■ 19.7367, 9.9630,
10.4862

■ 37.5588, 37.2068,
42.3243

■ 41.6612, 44.0801,
47.7966

■ 46.2670, 51.8732,
53.7050

■ 51.3932, 60.6183,
60.0601

■ 57.0559, 70.3465,
66.8720

Harmonies

Analogous

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



21.5587, 15.3455, 36.2246



23.9235, 15.3455, 21.1031



23.4497, 15.3455, 10.1147

Triad

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



23.9235, 15.3455, 21.1031



12.0517, 15.3455, 3.1151



10.0176, 15.3455, 40.9079

Complementary

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



23.9235, 15.3455, 21.1031



21.7738, 33.8588, 24.1285

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.



8.2949, 15.3455, 25.6822



23.9235, 15.3455, 21.1031



9.3058, 15.3455, 5.8733

Square

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



23.9235, 15.3455, 21.1031



16.0485, 15.3455, 2.8054



8.0617, 15.3455, 12.9710



13.2141, 15.3455, 50.7619

Rectangle

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



23.9235, 15.3455, 21.1031



21.6131, 15.3455, 5.9447



8.0617, 15.3455, 12.9710



9.2748, 15.3455, 35.9858

Sweetspot

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



23.9239, 15.3463, 21.1034



62.0352, 57.4035, 68.2887



18.2185, 11.9274, 42.4163



13.0686, 11.8237, 14.2601



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.9239, 15.3463, 21.1034



39.9258, 22.8908, 30.9956



21.4495, 14.3565, 8.0731



8.6710, 8.5751, 9.7661



14.5109, 7.3219, 7.8501



0.4860, 0.2421, 0.4017

Inverse Universe

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



23.9239, 15.3463, 21.1034



39.9258, 22.8908, 30.9956



25.8643, 35.4950, 45.6689



8.6710, 8.5751, 9.7661



14.5109, 7.3219, 7.8501



0.4860, 0.2421, 0.4017

Previews

White Background



This preview shows how the XYZ color 23.9235, 15.3455, 21.1031 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 23.9235, 15.3455, 21.1031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

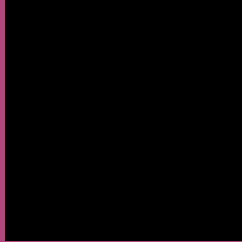
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.9235, 15.3455, 21.1031

Background



This preview shows how black text looks on a background with the XYZ color 23.9235, 15.3455, 21.1031.



This preview shows how white text looks on a background with the XYZ color 23.9235, 15.3455,

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

23.9235, 15.3455, 21.1031

Protanopia

15.9046, 15.5238, 31.0123

Deuteranopia

15.8503, 15.5845, 19.9420



Tritanopia

21.8557, 15.4410, 10.6326

Trichromacy



Original Color

23.9235, 15.3455, 21.1031

Protanomaly

17.5041, 14.5431, 27.0838

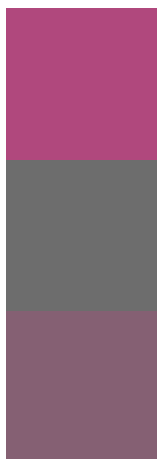
Deuteranomaly

17.9968, 14.8138, 20.3232

Tritanomaly

22.4802, 15.3675, 13.8380

Monochromacy



Original Color

23.9235, 15.3455, 21.1031

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

16.9502, 14.5901, 18.1424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9235, 15.3455, 21.1031 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(176, 72, 125)` looks like.

```
.text, #text, p{  
    color:rgb(176, 72, 125)  
}
```

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(176, 72, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 72, 125) }
```

Border

The CSS property to change the border of an element to XYZ 23.9235, 15.3455, 21.1031 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(176, 72, 125) }
```


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

```
.border{ border-color:rgb(176, 72, 125) }
```

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

Here you see how a box with a 4 pixel rgb(176, 72, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 72, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 72, 125);  
box-shadow:4px 4px 4px 4px rgb(176, 72,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9235, 15.3455, 21.1031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 72, 125) }
```

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

```
.background{ background-color: rgb(176, 72,  
125) }
```

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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