

Converting Colors

XYZ(23.5427, 13.5007, 18.7149)

Have a look what the booklet for
XYZ(23.5427, 13.5007, 18.7149)
contains.

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Color

**XYZ(23.5697, 13.5233,
18.8208)**

Conversions

Conversions Part 1

Format	Color
Hex	B53377
RGB	181, 51, 119
RGB Percent	71%, 20%, 47%
CMY	0.2902, 0.8000, 0.5333
CMYK	0.00, 0.72, 0.34, 0.29
HSL	329°, 56%, 45%
HSV	329°, 72%, 71%
XYZ	23.5697, 13.5233, 18.8208
YIQ	97.6220, 55.6520, 48.7080

Conversions

Conversions Part 2

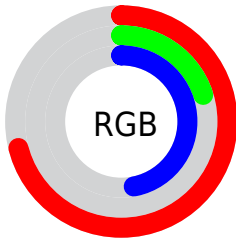
Format	Color
R _Y B	181, 51, 119
Decimal	11875191
CIE Lab	43.54, 57.49, -8.75
CIE LCh	44, 58.148, 351.343
Yxy	13.5233, 0.4215, 0.2419
Android (android.graphics.Color)	4290065271 (0xFFB53377)
YUV	97.6220, 10.5394, 73.1225
Hunter-Lab	36.7740, 50.0520, -4.6025

Details

The XYZ color **23.5697, 13.5233, 18.8208** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **20.8706, 34.9443, 21.2699**, and the grayscale version is **11.4815, 12.0794, 13.1545**.

A 20% lighter version of the original color is **48.6484, 32.1907, 42.1774**, and **9.4495, 4.7400, 6.3781** is the 20% darker color. If you saturate the color by 10%, you get **22.4320, 12.0402, 15.9987**, and if you desaturate by 10%, it is **25.0631, 15.6422, 21.9940**.

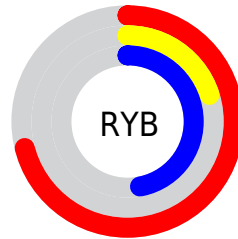
Distribution



Red (71%)

Green (20%)

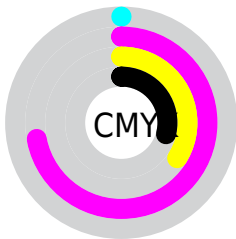
Blue (47%)



Red (71%)

Yellow (20%)

Blue (47%)

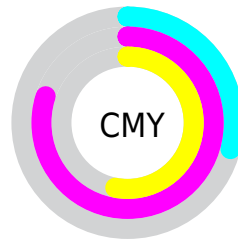


Cyan (0%)

Magenta (72%)

Yellow (34%)

Black (29%)



Cyan (29%)

Magenta (80%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5697, 13.5233, 18.8208 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 23.5697, 13.5233, 18.8208 by changing the saturation by 10% instead.

■ 23.5697, 13.5233,
18.8208

■ 23.5697, 13.5233,
18.8208

263.1188,
214.2447, 257.8474

■ 15.1377, 7.7899,
11.3654

■ 48.7869, 32.2408,
42.2637

■ 9.0031, 3.9608,
6.1959

■ 66.3028, 45.9936,
59.0883

■ 4.8003, 1.6517,
2.8939

■ 87.5775, 63.1883,
79.8730

■ 2.1641, 0.3921,
1.0407

■ 112.9762, 84.2094,
105.0364

■ 0.7237, 0.0000,
0.0000

■ 142.8643,
109.4412, 134.9970

■ 0.0000, 0.0000,
0.0000

■ 177.6072,

139.2681, 170.1733

217.5703,
174.0745, 210.9839

■ 23.5697, 13.5233,
18.8208

■ 23.5697, 13.5233,
18.8208

■ 22.4320, 12.0402,
15.9987

■ 25.0631, 15.6422,
21.9940

■ 21.6094, 11.1141,
13.5079

■ 26.9440, 18.4590,
25.5346

■ 21.1068, 10.6441,
11.6907

■ 29.2421, 22.0309,
29.4583

■ 31.9836, 26.4086,
33.7794

■ 35.1923, 31.6381,
38.5110

■ 38.8904, 37.7621,
43.6659

■ 43.0987, 44.8205,
49.2558

■ 47.8366, 52.8505,
55.2923

■ 53.1225, 61.8875,
61.7862

Harmonies

Analogous

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



20.9543, 13.5233, 36.5364



23.5697, 13.5233, 18.8208



22.8290, 13.5233, 7.3663

Triad

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



23.5697, 13.5233, 18.8208



9.9287, 13.5233, 1.5525



8.1320, 13.5233, 44.1805

Complementary

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



23.5697, 13.5233, 18.8208



20.8706, 34.9443, 21.2699

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.



6.3125, 13.5233, 25.8375



23.5697, 13.5233, 18.8208



7.1669, 13.5233, 3.9729

Square

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



23.5697, 13.5233, 18.8208



14.2138, 13.5233, 1.2545



6.0065, 13.5233, 11.2705



11.5828, 13.5233, 55.8978

Rectangle

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



23.5697, 13.5233, 18.8208



20.5917, 13.5233, 3.6093



6.0065, 13.5233, 11.2705



7.3468, 13.5233, 38.2083

Sweetspot

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



23.5701, 13.5240, 18.8210



62.6909, 56.1085, 68.4880



16.1650, 9.1277, 44.6261



13.2045, 11.5614, 14.3030



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.



23.5701, 13.5240, 18.8210



39.2831, 20.5190, 26.0767



20.9381, 12.4712, 4.9610



8.6758, 8.5770, 9.7912



14.5858, 7.3519, 8.2449



0.4882, 0.2430, 0.4135

Inverse Universe

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



23.5701, 13.5240, 18.8210



39.2831, 20.5190, 26.0767



25.7922, 36.9130, 47.1868



8.6758, 8.5770, 9.7912



14.5858, 7.3519, 8.2449



0.4882, 0.2430, 0.4135

Previews

White Background



This preview shows how the XYZ color 23.5697, 13.5233, 18.8208 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

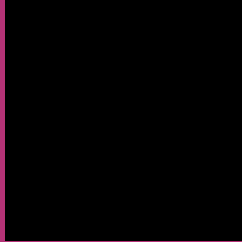
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.5697, 13.5233, 18.8208

Background



This preview shows how black text looks on a background with the XYZ color 23.5697, 13.5233, 18.8208.



This preview shows how white text looks on a background with the XYZ color 23.5697, 13.5233,

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

23.5697, 13.5233, 18.8208

Protanopia

14.4219, 13.8143, 32.4782

Deuteranopia

14.0087, 13.7922, 17.2531



Tritanopia

21.0651, 13.5451, 6.9730

Trichromacy



Original Color

23.5697, 13.5233, 18.8208

Protanomaly

15.7861, 12.1745, 26.7172

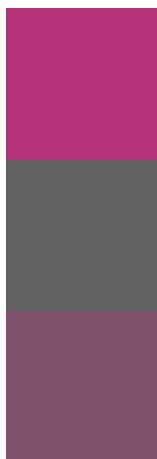
Deuteranomaly

16.3411, 12.6586, 17.8017

Tritanomaly

21.6963, 13.3848, 10.4568

Monochromacy



Original Color

23.5697, 13.5233, 18.8208

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

14.4460, 11.5147, 15.0968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5697, 13.5233, 18.8208 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(181, 51, 119)` looks like.

```
.text, #text, p{  
    color:rgb(181, 51, 119)  
}
```

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(181, 51, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 51, 119) }
```

Border

The CSS property to change the border of an element to XYZ 23.5697, 13.5233, 18.8208 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(181, 51, 119) }
```


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

```
.border{ border-color:rgb(181, 51, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 51, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 51, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 51, 119);  
box-shadow:4px 4px 4px 4px rgb(181, 51,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5697, 13.5233, 18.8208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 51, 119) }
```

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

```
.background{ background-color: rgb(181, 51,  
119) }
```

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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