

Converting Colors

XYZ(23.1993, 15.1233, 56.3399)

Have a look what the booklet for
XYZ(23.1993, 15.1233, 56.3399)
contains.

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Color

**XYZ(23.1993, 15.1233,
56.3399)**

Conversions

Conversions Part 1

Format	Color
Hex	8651C8
RGB	134, 81, 200
RGB Percent	53%, 32%, 78%
CMY	0.4745, 0.6823, 0.2157
CMYK	0.33, 0.59, 0.00, 0.22
HSL	267°, 52%, 55%
HSV	267°, 59%, 78%
XYZ	23.1993, 15.1233, 56.3399
YIQ	110.4130, -6.6110, 48.2450

Conversions

Conversions Part 2

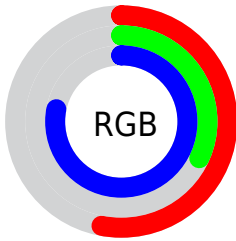
Format	Color
RYB	134, 81, 200
Decimal	8802760
CIELab	45.80, 46.08, -54.01
CIELCh	46, 70.998, 310.474
Yxy	15.1233, 0.2451, 0.1598
Android (android.graphics.Color)	4286992840 (0xFF8651C8)
YUV	110.4130, 44.1664, 20.6858
Hunter-Lab	38.8887, 38.4301, -58.6742

Details

The XYZ color **23.1993, 15.1233, 56.3399** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **34.1720, 48.1058, 15.2692**, and the grayscale version is **14.8185, 15.5902, 16.9777**.

A 20% lighter version of the original color is **47.9234, 35.0714, 98.8514**, and **8.8253, 4.6866, 27.2275** is the 20% darker color. If you saturate the color by 10%, you get **20.2499, 11.7122, 55.8372**, and if you desaturate by 10%, it is **26.7731, 19.5062, 56.9978**.

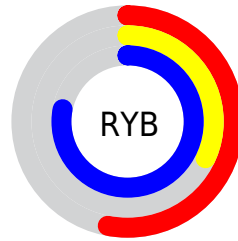
Distribution



Red (53%)

Green (32%)

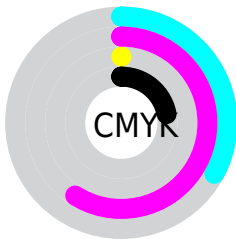
Blue (78%)



Red (53%)

Yellow (32%)

Blue (78%)

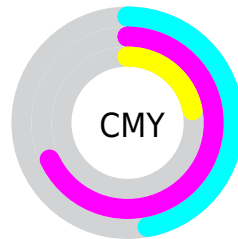


Cyan (33%)

Magenta (59%)

Yellow (0%)

Black (22%)



Cyan (47%)

Magenta (68%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1993, 15.1233, 56.3399 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 23.1993, 15.1233, 56.3399 by changing the saturation by 10% instead.

■ 23.1993, 15.1233,
56.3399

■ 23.1993, 15.1233,
56.3399

261.2633,
224.1113, 428.3954

■ 14.8622, 8.9060,
40.0697

■ 48.1846, 35.0693,
100.9921

■ 8.8084, 4.6799,
27.2787

■ 65.5636, 49.5668,
130.2112

■ 4.6726, 2.0607,
17.5483

■ 86.6873, 67.5932,
164.5837

■ 2.0892, 0.6424,
10.4601

■ 111.9210, 89.5327,
204.5280

■ 0.6833, 0.0000,
5.5955

■ 141.6300,
115.7700, 250.4629

■ 0.0000, 0.0000,
2.5360

176.1799,

■ 0.0000, 0.0000,

146.6892, 302.8067

0.8591

215.9358,
182.6748, 361.9780

■ 0.0000, 0.0000,
0.0000

■ 23.1993, 15.1233,
56.3399

■ 23.1993, 15.1233,
56.3399

■ 20.2499, 11.7122,
55.8372

■ 26.7731, 19.5062,
56.9978

■ 17.8775, 9.1890,
55.4753

■ 31.0096, 24.9319,
57.8218

■ 16.0299, 7.4575,
55.2384

■ 35.9460, 31.4664,
58.8229

■ 14.6173, 6.3473,
55.0986

■ 41.6160, 39.1695,
60.0109

■ 14.5528, 6.2979,
55.0924

■ 48.0511, 48.0968,
61.3949

■ 55.2806, 58.3003,
62.9833

■ 63.3323, 69.8288,
64.7842

■ 72.2326, 82.7286,
66.8050

■ 80.0619, 93.1542,
68.4047

Harmonies

Analogous

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



16.5664, 15.1233, 74.6707



23.1993, 15.1233, 56.3399



28.1549, 15.1233, 30.0999

Triad

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



23.1993, 15.1233, 56.3399



18.5679, 15.1233, 0.8428



5.7759, 15.1233, 23.2042

Complementary

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



23.1993, 15.1233, 56.3399



34.1720, 48.1058, 15.2692

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.



6.0353, 15.1233, 7.7335



23.1993, 15.1233, 56.3399



12.3846, 15.1233, 0.6401

Square

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



23.1993, 15.1233, 56.3399



25.0092, 15.1233, 3.0097



8.1303, 15.1233, 1.9749



7.2843, 15.1233, 48.4041

Rectangle

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



23.1993, 15.1233, 56.3399



29.2017, 15.1233, 16.1960



8.1303, 15.1233, 1.9749



5.6725, 15.1233, 16.7404

Sweetspot

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



23.2000, 15.1238, 56.3403



73.3619, 69.6176, 104.1787



24.4770, 27.2358, 58.6108



15.0429, 13.9956, 22.1585



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



23.2000, 15.1238, 56.3403



33.9343, 19.0389, 96.4941



35.1232, 21.2705, 56.8983



10.4976, 10.5148, 13.3938



9.3529, 4.0559, 35.0343



0.5259, 0.2348, 1.6628

Inverse Universe

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



32.0284, 20.2710, 29.8278



51.3607, 29.2210, 43.1623



26.2532, 44.0235, 14.8986



10.8759, 10.7338, 12.3300



17.0125, 8.5546, 10.5419



0.8416, 0.4195, 0.6891

Previews

White Background



This preview shows how the XYZ color 23.1993, 15.1233, 56.3399 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 23.1993, 15.1233, 56.3399 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 23.1993, 15.1233, 56.3399

Background



This preview shows how black text looks on a background with the XYZ color 23.1993, 15.1233, 56.3399.



This preview shows how white text looks on a background with the XYZ color 23.1993, 15.1233,

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

23.1993, 15.1233, 56.3399

Protanopia

18.3709, 15.4309, 71.8222

Deuteranopia

15.7395, 15.2665, 53.1561



Tritanopia

15.3683, 15.0773, 17.7230

Trichromacy



Original Color

23.1993, 15.1233, 56.3399

Protanomaly

17.7152, 13.9250, 66.0441

Deuteranomaly

16.6056, 14.0330, 54.0580

Tritanomaly

17.4621, 14.6210, 28.6899

Monochromacy



Original Color

23.1993, 15.1233, 56.3399

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

17.0275, 14.8288, 27.9514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1993, 15.1233, 56.3399 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(134, 81, 200)` looks like.

```
.text, #text, p{  
    color:rgb(134, 81, 200)  
}
```

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(134, 81, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 81, 200) }
```

Border

The CSS property to change the border of an element to XYZ 23.1993, 15.1233, 56.3399 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(134, 81, 200) }
```


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

```
.border{ border-color:rgb(134, 81, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 81, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 81, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 81, 200);  
box-shadow:4px 4px 4px 4px rgb(134, 81,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1993, 15.1233, 56.3399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 81, 200) }
```

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

```
.background{ background-color: rgb(134, 81,  
200) }
```

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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