

Converting Colors

XYZ(23.5723, 12.3122, 67.7021)

Have a look what the booklet for
XYZ(23.5723, 12.3122, 67.7021)
contains.

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Color

**XYZ(23.5847, 12.3269,
67.4659)**

Conversions

Conversions Part 1

Format	Color
Hex	8631DA
RGB	134, 49, 218
RGB Percent	53%, 19%, 85%
CMY	0.4745, 0.8078, 0.1451
CMYK	0.39, 0.78, 0.00, 0.15
HSL	270°, 70%, 52%
HSV	270°, 78%, 85%
XYZ	23.5847, 12.3269, 67.4659
YIQ	93.6810, -3.5890, 70.5790

Conversions

Conversions Part 2

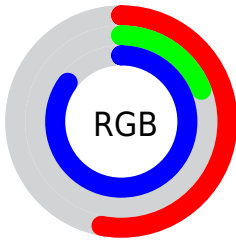
Format	Color
RYB	134, 49, 218
Decimal	8794586
CIELab	41.73, 65.36, -70.97
CIELCh	42, 96.478, 312.642
Yxy	12.3269, 0.2281, 0.1192
Android (android.graphics.Color)	4286984666 (0xFF8631DA)
YUV	93.6810, 61.2893, 35.3598
Hunter-Lab	35.1097, 58.4643, -89.3534

Details

The XYZ color **23.5847, 12.3269, 67.4659** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **35.2983, 55.3511, 11.7292**, and the grayscale version is **10.4257, 10.9686, 11.9449**.

A 20% lighter version of the original color is **45.0939, 28.6606, 97.7631**, and **9.3456, 4.0645, 34.4744** is the 20% darker color. If you saturate the color by 10%, you get **21.2440, 10.0785, 67.1556**, and if you desaturate by 10%, it is **26.5442, 15.5482, 67.9320**.

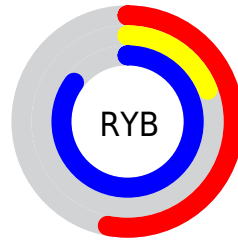
Distribution



Red (53%)

Green (19%)

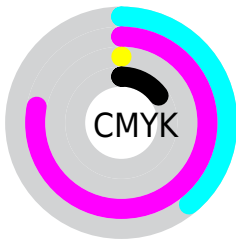
Blue (85%)



Red (53%)

Yellow (19%)

Blue (85%)

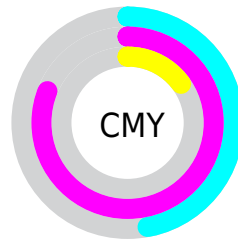


Cyan (39%)

Magenta (78%)

Yellow (0%)

Black (15%)



Cyan (47%)


Magenta (81%)


Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5847, 12.3269, 67.4659 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 23.5847, 12.3269, 67.4659 by changing the saturation by 10% instead.


 23.5847, 12.3269,
67.4659


 23.5847, 12.3269,
67.4659


263.1937,
206.5576, 470.1479


 15.1489, 6.9667,
48.9994


 48.8113, 30.0891,
117.2347


 9.0110, 3.4413,
34.2534


 66.3327, 43.2599,
149.3741


 4.8055, 1.3662,
22.8094


 87.6135, 59.8031,
186.9082

 2.1672, 0.1916,
14.2488

 113.0189, 80.1029,
230.2555

 0.7254, 0.0000,
8.1532

 142.9142,
104.5439, 279.8346

 0.0000, 0.0000,
4.1040

 177.6649,

 0.0000, 0.0000,

133.5104, 336.0640

1.6826

217.6363,
167.3869, 399.3622

■ 0.0000, 0.0000,
0.3487

■ 0.0000, 0.0000,
0.0000

■ 23.5847, 12.3269,
67.4659

■ 23.5847, 12.3269,
67.4659

■ 21.2440, 10.0785,
67.1556

■ 26.5442, 15.5482,
67.9320

■ 19.4382, 8.6459,
66.9742

■ 30.1816, 19.8562,
68.5718

■ 19.0418, 8.3545,
66.9389

■ 34.5504, 25.3493,
69.4018

■ 39.6973, 32.1145,
70.4363

■ 45.6651, 40.2301,
71.6883

■ 52.4930, 49.7682,
73.1694

■ 60.2174, 60.7955,
74.8908

■ 68.8727, 73.3745,
76.8626

■ 78.4912, 87.5640,
79.0945

Harmonies

Analogous

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



14.9591, 12.3269, 98.8760



23.5847, 12.3269, 67.4659



30.1303, 12.3269, 28.7574

Triad

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



23.5847, 12.3269, 67.4659



16.2704, 12.3269, 0.0000



2.8152, 12.3269, 23.9036

Complementary

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



23.5847, 12.3269, 67.4659



35.2983, 55.3511, 11.7292

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.



2.9289, 12.3269, 4.8206



23.5847, 12.3269, 67.4659



8.9798, 12.3269, 0.0000

Square

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



23.5847, 12.3269, 67.4659



24.8716, 12.3269, 0.4611



4.6971, 12.3269, 0.0686



4.2791, 12.3269, 61.0191

Rectangle

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



23.5847, 12.3269, 67.4659



31.2824, 12.3269, 11.7021



4.6971, 12.3269, 0.0686



2.6949, 12.3269, 15.3024

Sweetspot

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



23.5854, 12.3273, 67.4662



69.1859, 63.0024, 103.1219



22.3778, 22.6274, 69.5180



14.0734, 12.4644, 21.9141



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.



23.5854, 12.3273, 67.4662



28.6019, 12.9772, 95.6051



42.6668, 22.1641, 68.3592



12.9597, 12.9373, 16.4662



11.5323, 5.0693, 40.1091



0.8465, 0.3797, 2.6031

Inverse Universe

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



34.2453, 18.7955, 24.0123



45.8779, 23.4574, 25.2976



26.8925, 51.0177, 11.3358



13.3245, 13.1589, 14.9703



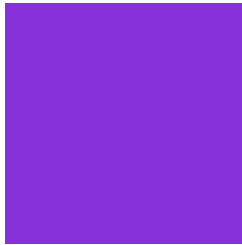
19.0093, 9.6048, 9.6950



1.2750, 0.6396, 0.8571

Previews

White Background



This preview shows how the XYZ color 23.5847, 12.3269, 67.4659 looks on a white background.

Color Contrast Check

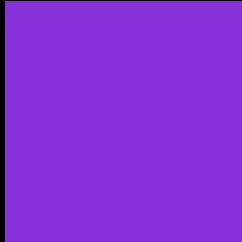
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5847, 12.3269, 67.4659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

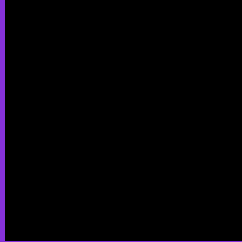
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.5847, 12.3269, 67.4659

Background



This preview shows how black text looks on a background with the XYZ color 23.5847, 12.3269, 67.4659.



This preview shows how white text looks on a background with the XYZ color 23.5847, 12.3269,

67.4659.

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

23.5847, 12.3269, 67.4659

Protanopia

14.6348, 12.4015, 56.8807

Deuteranopia

12.2937, 12.3634, 41.7828



Tritanopia

12.8314, 12.2797, 14.2643

Trichromacy



Original Color

23.5847, 12.3269, 67.4659



Protanomaly

15.2535, 10.6067, 60.2748



Deuteranomaly

13.5782, 10.4053, 50.0080



Tritanomaly

15.3662, 11.3843, 27.7731

Monochromacy



Original Color

23.5847, 12.3269, 67.4659



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

13.6913, 10.5641, 25.7436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5847, 12.3269, 67.4659 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, 49, 218)` looks like.

```
.text, #text, p{  
    color:rgb(134, 49, 218)  
}
```

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, 49, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 49, 218) }
```

Border

The CSS property to change the border of an element to XYZ 23.5847, 12.3269, 67.4659 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, 49, 218) }
```


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

```
.border{ border-color:rgb(134, 49, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 49, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 49, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 49, 218);  
box-shadow:4px 4px 4px 4px rgb(134, 49,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5847, 12.3269, 67.4659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 49, 218) }
```

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

```
.background{ background-color: rgb(134, 49,  
218) }
```

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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