

Converting Colors

XYZ(23.8515, 16.0937, 43.5830)

Have a look what the booklet for
XYZ(23.8515, 16.0937, 43.5830)
contains.

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Color

**XYZ(23.8686, 16.0943,
43.4435)**

Conversions

Conversions Part 1

Format	Color
Hex	9754B1
RGB	151, 84, 177
RGB Percent	59%, 33%, 69%
CMY	0.4078, 0.6706, 0.3059
CMYK	0.15, 0.53, 0.00, 0.31
HSL	283°, 37%, 51%
HSV	283°, 53%, 69%
XYZ	23.8686, 16.0943, 43.4435
YIQ	114.6350, 10.0790, 43.1270

Conversions

Conversions Part 2

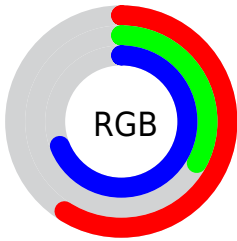
Format	Color
R_{YB}	151, 84, 177
Decimal	9917617
CIE _{Lab}	47.10, 43.48, -38.45
CIE _{LCh}	47, 58.039, 318.513
Yxy	16.0943, 0.2862, 0.1930
Android (android.graphics.Color)	4288107697 (0xFF9754B1)
YUV	114.6350, 30.7459, 31.8921
Hunter-Lab	40.1177, 35.9951, -36.1228

Details

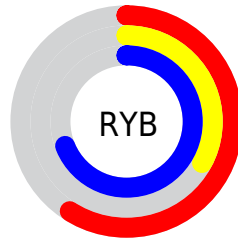
The XYZ color **23.8686, 16.0943, 43.4435** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **23.7534, 35.3998, 13.9691**, and the grayscale version is **16.0939, 16.9320, 18.4390**.

A 20% lighter version of the original color is **49.2443, 36.7569, 81.5901**, and **9.1117, 5.0843, 19.5699** is the 20% darker color. If you saturate the color by 10%, you get **21.7653, 13.2222, 43.0002**, and if you desaturate by 10%, it is **26.3587, 19.6818, 44.0050**.

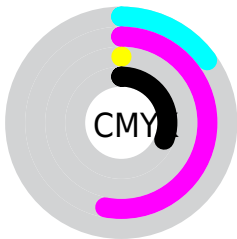
Distribution



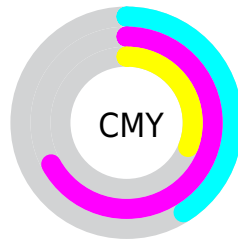
- Red (59%)
- Green (33%)
- Blue (69%)



- Red (59%)
- Yellow (33%)
- Blue (69%)



- Cyan (15%)
- Magenta (53%)
- Yellow (0%)
- Black (31%)



- Cyan (41%)
- Magenta (67%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8686, 16.0943, 43.4435 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 23.8686, 16.0943, 43.4435 by changing the saturation by 10% instead.

■ 23.8686, 16.0943,
43.4435

■ 23.8686, 16.0943,
43.4435

264.6083,
229.8975, 376.4072

■ 15.3604, 9.5909,
29.8993

■ 49.2719, 36.7618,
81.6732

■ 9.1607, 5.1286,
19.5107

■ 66.8977, 51.6948,
107.1958

■ 4.9041, 2.3229,
11.8594

■ 88.2935, 70.2063,
137.5482

■ 2.2253, 0.7858,
6.5266

■ 113.8245, 92.6809,
173.1490

■ 0.7560, 0.0000,
3.0939

■ 143.8561,
119.5030, 214.4168

■ 0.0000, 0.0000,
1.1428

178.7537,

■ 0.0000, 0.0000,

151.0568, 261.7701

0.0000

218.8827,
187.7269, 315.6273

■ 23.8686, 16.0943,
43.4435

■ 23.8686, 16.0943,
43.4435

■ 21.7653, 13.2222,
43.0002

■ 26.3587, 19.6818,
44.0050

■ 20.0200, 11.0098,
42.6652

■ 29.2583, 24.0308,
44.6916

■ 18.6021, 9.3966,
42.4285

■ 32.5900, 29.1856,
45.5110

■ 17.4747, 8.3093,
42.2781

■ 36.3745, 35.1867,
46.4698

■ 16.7654, 7.7261,
42.2029

■ 40.6310, 42.0717,
47.5744

■ 45.3773, 49.8761,
48.8307

■ 50.6307, 58.6333,
50.2441

■ 56.4072, 68.3750,
51.8200

■ 62.7222, 79.1314,
53.5633

Harmonies

Analogous

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



18.6222, 16.0943, 59.8429



23.8686, 16.0943, 43.4435



27.0411, 16.0943, 23.7237

Triad

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



23.8686, 16.0943, 43.4435



17.3314, 16.0943, 1.9041



7.7631, 16.0943, 28.0234

Complementary

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



23.8686, 16.0943, 43.4435



23.7534, 35.3998, 13.9691

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.



7.5672, 16.0943, 12.5110



23.8686, 16.0943, 43.4435



12.3935, 16.0943, 2.1140

Square

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



23.8686, 16.0943, 43.4435



22.7450, 16.0943, 3.7918



9.0712, 16.0943, 4.7371



9.6836, 16.0943, 48.0496

Rectangle

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



23.8686, 16.0943, 43.4435



27.1703, 16.0943, 13.6912



9.0712, 16.0943, 4.7371



7.5121, 16.0943, 22.0126

Sweetspot

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



23.8692, 16.0950, 43.4439



62.5181, 58.8243, 82.5545



17.2064, 16.2874, 43.8322



13.2542, 12.2809, 17.8162



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.



23.8692, 16.0950, 43.4439



38.4603, 22.9976, 76.9072



27.3753, 18.1176, 33.8859



8.6138, 8.5250, 10.6978



12.2083, 5.6294, 30.5801



0.4374, 0.2046, 0.9647

Inverse Universe

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



24.1168, 16.8142, 16.7270



39.4379, 24.7133, 22.2065



21.8852, 34.3321, 18.6107



8.5908, 8.5430, 9.3434



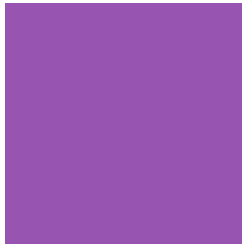
13.5688, 6.9451, 2.8892



0.4524, 0.2287, 0.2250

Previews

White Background



This preview shows how the XYZ color 23.8686, 16.0943, 43.4435 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 23.8686, 16.0943, 43.4435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

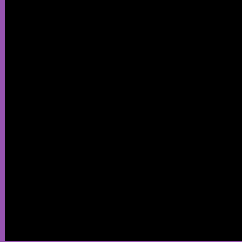
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.8686, 16.0943, 43.4435

Background



This preview shows how black text looks on a background with the XYZ color 23.8686, 16.0943, 43.4435.



This preview shows how white text looks on a background with the XYZ color 23.8686, 16.0943,

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

23.8686, 16.0943, 43.4435

Protanopia

18.3482, 16.3726, 56.8368

Deuteranopia

16.7202, 16.3607, 41.3064



Tritanopia

18.3985, 16.0742, 16.6009

Trichromacy



Original Color

23.8686, 16.0943, 43.4435

Protanomaly

19.2172, 15.5728, 51.8622

Deuteranomaly

18.4548, 15.6845, 42.0991

Tritanomaly

20.0723, 15.9254, 24.5702

Monochromacy



Original Color

23.8686, 16.0943, 43.4435

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

18.4398, 16.3248, 26.2239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8686, 16.0943, 43.4435 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(151, 84, 177)` looks like.

```
.text, #text, p{  
    color:rgb(151, 84, 177)  
}
```

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(151, 84, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 84, 177) }
```

Border

The CSS property to change the border of an element to XYZ 23.8686, 16.0943, 43.4435 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(151, 84, 177) }
```


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

```
.border{ border-color:rgb(151, 84, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 84, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 84, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 84, 177);  
box-shadow:4px 4px 4px 4px rgb(151, 84,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8686, 16.0943, 43.4435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 84, 177) }
```

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

```
.background{ background-color: rgb(151, 84,  
177) }
```

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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