

Converting Colors

XYZ(23.2737, 18.1658, 48.5134)

Have a look what the booklet for
XYZ(23.2737, 18.1658, 48.5134)
contains.

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Color

**XYZ(23.3860, 18.2322,
48.7410)**

Conversions

Conversions Part 1

Format	Color
Hex	8567BA
RGB	133, 103, 186
RGB Percent	52%, 40%, 73%
CMY	0.4784, 0.5961, 0.2706
CMYK	0.28, 0.45, 0.00, 0.27
HSL	262°, 38%, 57%
HSV	262°, 45%, 73%
XYZ	23.3860, 18.2322, 48.7410
YIQ	121.4320, -8.7630, 32.1730

Conversions

Conversions Part 2

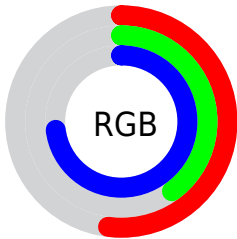
Format	Color
R_{YB}	133, 103, 186
Decimal	8742842
CIE _{Lab}	49.78, 29.79, -39.59
CIE _{LCh}	50, 49.544, 306.964
Yxy	18.2322, 0.2588, 0.2018
Android (android.graphics.Color)	4286932922 (0xFF8567BA)
YUV	121.4320, 31.8320, 10.1451
Hunter-Lab	42.6992, 23.0395, -37.7900

Details

The XYZ color **23.3860, 18.2322, 48.7410** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **33.7178, 43.1654, 19.3873**, and the grayscale version is **18.2164, 19.1651, 20.8708**.

A 20% lighter version of the original color is **48.6380, 40.6051, 90.0681**, and **8.8393, 6.1038, 22.5421** is the 20% darker color. If you saturate the color by 10%, you get **19.9673, 14.0225, 48.1090**, and if you desaturate by 10%, it is **27.4296, 23.3756, 49.5210**.

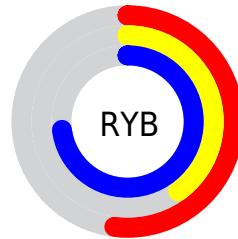
Distribution



Red (52%)

Green (40%)

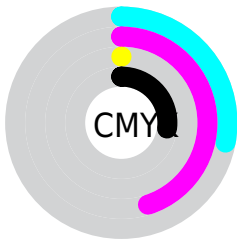
Blue (73%)



Red (52%)

Yellow (40%)

Blue (73%)

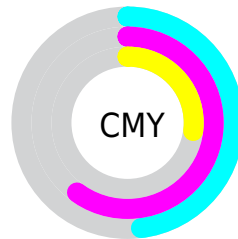


Cyan (28%)

Magenta (45%)

Yellow (0%)

Black (27%)



Cyan (48%)

Magenta (60%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3860, 18.2322, 48.7410 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 23.3860, 18.2322, 48.7410 by changing the saturation by 10% instead.

■ 23.3860, 18.2322,
48.7410

■ 23.3860, 18.2322,
48.7410

262.1999,
242.1766, 398.3149

■ 15.0010, 11.1168,
34.0499

■ 48.4884, 40.4326,
89.6837

■ 8.9064, 6.1455,
22.6543

■ 65.9365, 56.2864,
116.7723

■ 4.7368, 2.9337,
14.1355

■ 87.1364, 75.8218,
148.8306

■ 2.1269, 1.0972,
8.0752

■ 112.4534, 99.4232,
186.2770

■ 0.7038, 0.0000,
4.0546

142.2529,
127.4750, 229.5301

■ 0.0000, 0.0000,
1.6554

176.9003,

■ 0.0000, 0.0000,

160.3615, 279.0084

0.3299

216.7608,
198.4673, 335.1305

■ 0.0000, 0.0000,
0.0000

■ 23.3860, 18.2322,
48.7410

■ 23.3860, 18.2322,
48.7410

■ 19.9673, 14.0225,
48.1090

■ 27.4296, 23.3756,
49.5210

■ 17.1369, 10.6855,
47.6140

■ 32.1278, 29.5042,
50.4563

■ 14.8570, 8.1562,
47.2460

■ 37.5109, 36.6682,
51.5554

■ 13.0840, 6.3590,
46.9926

■ 43.6063, 44.9135,
52.8256

■ 11.7662, 5.2030,
46.8389

■ 50.4400, 54.2834,
54.2740

■ 11.1935, 4.7466,
46.7810

■ 58.0369, 64.8188,
55.9072

■ 66.4202, 76.5585,
57.7313

■ 75.6124, 89.5394,
59.7524

■ 80.5228, 93.5722,
60.2720

Harmonies

Analogous

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



18.4542, 18.2322, 58.4955



23.3860, 18.2322, 48.7410



27.1059, 18.2322, 31.8723

Triad

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



23.3860, 18.2322, 48.7410



21.1327, 18.2322, 4.2446



9.7853, 18.2322, 23.1764

Complementary

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



23.3860, 18.2322, 48.7410



33.7178, 43.1654, 19.3873

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.



10.2413, 18.2322, 11.3121



23.3860, 18.2322, 48.7410



16.2508, 18.2322, 3.6064

Square

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



23.3860, 18.2322, 48.7410



25.6486, 18.2322, 7.9569



12.4203, 18.2322, 5.4754



11.0368, 18.2322, 39.9663

Rectangle

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



23.3860, 18.2322, 48.7410



28.0762, 18.2322, 21.2618



12.4203, 18.2322, 5.4754



9.7482, 18.2322, 18.5055

Sweetspot

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



23.3867, 18.2329, 48.7414



69.4659, 68.4457, 93.7515



26.5055, 30.5264, 50.9499



14.7870, 14.3872, 20.5402



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.3867, 18.2329, 48.7414



36.0388, 25.2320, 87.1722



31.0692, 22.1934, 49.1010



8.8193, 8.8732, 11.3273



7.6061, 3.2323, 31.4761



0.3371, 0.1495, 1.1128

Inverse Universe

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



31.1012, 22.5405, 34.1645



52.2824, 34.3242, 55.4798



27.1372, 39.7730, 19.0793



9.2394, 9.1061, 10.6082



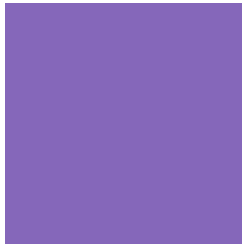
15.8912, 7.9302, 12.5795



0.5887, 0.2910, 0.5936

Previews

White Background



This preview shows how the XYZ color 23.3860, 18.2322, 48.7410 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 23.3860, 18.2322, 48.7410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

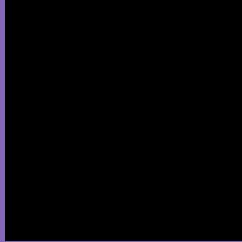
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.3860, 18.2322, 48.7410

Background



This preview shows how black text looks on a background with the XYZ color 23.3860, 18.2322, 48.7410.



This preview shows how white text looks on a background with the XYZ color 23.3860, 18.2322,

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

23.3860, 18.2322, 48.7410

Protanopia

20.1847, 18.4993, 55.9330

Deuteranopia

18.8634, 18.3542, 47.3483



Tritanopia

18.1532, 18.3665, 22.3270

Trichromacy



Original Color

23.3860, 18.2322, 48.7410

Protanomaly

20.9015, 18.0887, 53.4288

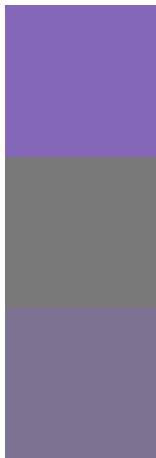
Deuteranomaly

20.1504, 18.1545, 47.7895

Tritanomaly

19.7437, 18.1621, 30.4820

Monochromacy



Original Color

23.3860, 18.2322, 48.7410

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.5856, 18.4389, 29.3149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3860, 18.2322, 48.7410 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(133, 103, 186)` looks like.

```
.text, #text, p{  
    color:rgb(133, 103, 186)  
}
```

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(133, 103, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 103, 186) }
```

Border

The CSS property to change the border of an element to XYZ 23.3860, 18.2322, 48.7410 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(133, 103, 186) }
```


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

```
.border{ border-color:rgb(133, 103, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 103, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 103, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 103, 186);  
box-shadow:4px 4px 4px 4px rgb(133, 103,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3860, 18.2322, 48.7410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 103, 186) }
```

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

```
.background{ background-color: rgb(133,  
103, 186) }
```

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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