

Converting Colors

XYZ(22.9415, 18.6429, 33.3998)

Have a look what the booklet for
XYZ(22.9415, 18.6429, 33.3998)
contains.

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Color

**XYZ(23.0006, 18.6728,
33.4023)**

Conversions

Conversions Part 1

Format	Color
Hex	93699B
RGB	147, 105, 155
RGB Percent	58%, 41%, 61%
CMY	0.4235, 0.5882, 0.3922
CMYK	0.05, 0.32, 0.00, 0.39
HSL	290°, 20%, 51%
HSV	290°, 32%, 61%
XYZ	23.0006, 18.6728, 33.4023
YIQ	123.2580, 8.9820, 24.4540

Conversions

Conversions Part 2

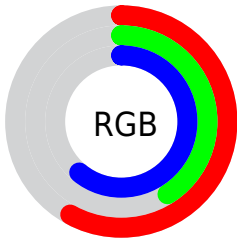
Format	Color
R _Y B	147, 105, 155
Decimal	9660827
CIE _{Lab}	50.30, 25.80, -20.57
CIE _{LCh}	50, 32.994, 321.427
Y _{xy}	18.6728, 0.3064, 0.2487
Android (android.graphics.Color)	4287850907 (0xFF93699B)
Y _{UV}	123.2580, 15.6488, 20.8217
Hunter-Lab	43.2120, 19.3897, -15.5819

Details

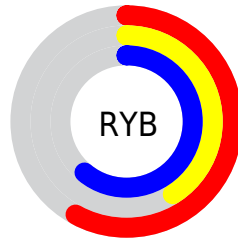
The XYZ color **23.0006, 18.6728, 33.4023** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.0819, 27.9738, 17.6539**, and the grayscale version is **18.8603, 19.8425, 21.6085**.

A 20% lighter version of the original color is **48.0470, 41.3236, 66.4167**, and **8.6811, 6.3586, 13.8665** is the 20% darker color. If you saturate the color by 10%, you get **21.1237, 15.5718, 32.9029**, and if you desaturate by 10%, it is **25.1760, 22.3559, 33.9988**.

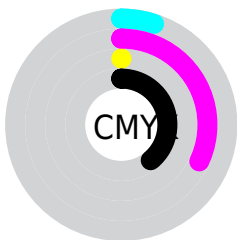
Distribution



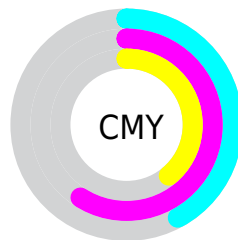
- Red (58%)
- Green (41%)
- Blue (61%)



- Red (58%)
- Yellow (41%)
- Blue (61%)



- Cyan (5%)
- Magenta (32%)
- Yellow (0%)
- Black (39%)




- Cyan (42%)
- Magenta (59%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.0006, 18.6728, 33.4023 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 23.0006, 18.6728, 33.4023 by changing the saturation by 10% instead.


 23.0006, 18.6728,
33.4023


 23.0006, 18.6728,
33.4023


260.2634,
244.6364, 332.1461


 14.7146, 11.4341,
22.1612


 47.8610, 41.1805,
66.1263


 8.7044, 6.3596,
13.7759


 65.1661, 57.2182,
88.4463

 4.6044, 3.0650,
7.8280


 86.2083, 76.9578,
115.2964

 2.0494, 1.1657,
3.8989

 111.3530,
100.7835, 147.0950

 0.6615, 0.0335,
1.5700

140.9655,
129.0799, 184.2607

 0.0000, 0.0000,
0.2693

175.4111,

 0.0000, 0.0000,

162.2312, 227.2121

0.0000

215.0553,
200.6219, 276.3677

■ 23.0006, 18.6728,
33.4023

■ 23.0006, 18.6728,
33.4023

■ 21.1237, 15.5718,
32.9029

■ 25.1760, 22.3559,
33.9988

■ 19.5278, 13.0190,
32.4943

■ 27.6628, 26.6476,
34.6961

■ 18.1964, 10.9811,
32.1711

■ 30.4749, 31.5757,
35.4992

■ 17.1103, 9.4198,
31.9270

■ 33.6251, 37.1656,
36.4121

■ 16.2476, 8.2916,
31.7547

■ 37.1256, 43.4413,
37.4389

■ 15.5826, 7.5449,
31.6456

■ 40.9876, 50.4255,
38.5835

■ 15.1531, 7.1283,
31.5879

■ 45.2222, 58.1401,
39.8493

■ 49.8397, 66.6057,
41.2400

■ 54.8503, 75.8424,
42.7588

Harmonies

Analogous

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



20.0896, 18.6728, 41.5170



23.0006, 18.6728, 33.4023



24.5466, 18.6728, 23.0705

Triad

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



23.0006, 18.6728, 33.4023



18.6802, 18.6728, 7.4191



12.6187, 18.6728, 27.4646

Complementary

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



23.0006, 18.6728, 33.4023



21.0819, 27.9738, 17.6539

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.



12.3371, 18.6728, 17.8184



23.0006, 18.6728, 33.4023



15.5957, 18.6728, 7.9523

Square

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



23.0006, 18.6728, 33.4023



21.8633, 18.6728, 9.4401



13.3628, 18.6728, 11.2116



14.1844, 18.6728, 37.4344

Rectangle

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



23.0006, 18.6728, 33.4023



24.4807, 18.6728, 17.0394



13.3628, 18.6728, 11.2116



12.3788, 18.6728, 24.0224

Sweetspot

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



23.0012, 18.6736, 33.4027



50.5301, 49.4468, 62.4173



17.6853, 17.2555, 33.4092



11.2944, 10.9429, 14.0873



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.0012, 18.6736, 33.4027



38.6207, 29.1789, 59.1329



23.1814, 18.9172, 26.6017



6.3642, 6.2736, 7.8045



12.1975, 5.7391, 25.3726



0.2052, 0.0976, 0.3804

Inverse Universe

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



21.5505, 18.2648, 18.0134



35.6825, 28.3794, 26.6871



21.0400, 27.8433, 22.5705



6.2471, 6.2380, 6.6814



11.0065, 5.6568, 1.2933



0.1735, 0.0881, 0.0665

Previews

White Background



This preview shows how the XYZ color 23.0006, 18.6728, 33.4023 looks on a white background.

Color Contrast Check

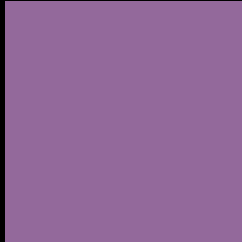
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.0006, 18.6728, 33.4023 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 23.0006, 18.6728, 33.4023

Background



This preview shows how black text looks on a background with the XYZ color 23.0006, 18.6728, 33.4023.



This preview shows how white text looks on a background with the XYZ color 23.0006, 18.6728,

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

23.0006, 18.6728, 33.4023

Protanopia

19.2138, 18.7377, 38.2014

Deuteranopia

19.2984, 18.9016, 32.7682



Tritanopia

20.3397, 18.6952, 20.3058

Trichromacy



Original Color

23.0006, 18.6728, 33.4023

Protanomaly

20.2233, 18.4484, 36.2132

Deuteranomaly

20.4903, 18.6554, 33.0927

Tritanomaly

21.2039, 18.5600, 24.6552

Monochromacy



Original Color

23.0006, 18.6728, 33.4023

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

20.1343, 19.1456, 25.5559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0006, 18.6728, 33.4023 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(147, 105, 155)` looks like.

```
.text, #text, p{  
    color:rgb(147, 105, 155)  
}
```

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(147, 105, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 105, 155) }
```

Border

The CSS property to change the border of an element to XYZ 23.0006, 18.6728, 33.4023 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(147, 105, 155) }
```


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

```
.border{ border-color:rgb(147, 105, 155) }
```

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

Here you see how a box with a 4 pixel rgb(147, 105, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 105, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 105, 155);  
box-shadow:4px 4px 4px 4px rgb(147, 105,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0006, 18.6728, 33.4023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 105, 155) }
```

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

```
.background{ background-color: rgb(147,  
105, 155) }
```

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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