

Converting Colors

XYZ(23.6035, 18.1563, 33.5425)

Have a look what the booklet for
XYZ(23.6035, 18.1563, 33.5425)
contains.

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Color

**XYZ(23.5995, 18.0963,
33.7016)**

Conversions

Conversions Part 1

Format	Color
Hex	99639C
RGB	153, 99, 156
RGB Percent	60%, 39%, 61%
CMY	0.4000, 0.6118, 0.3882
CMYK	0.02, 0.37, 0.00, 0.39
HSL	297°, 22%, 50%
HSV	297°, 37%, 61%
XYZ	23.5995, 18.0963, 33.7016
YIQ	121.6440, 13.8870, 29.1750

Conversions

Conversions Part 2

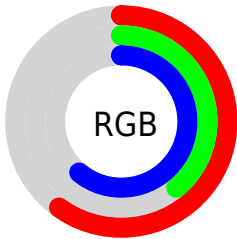
Format	Color
R_{YB}	153, 99, 156
Decimal	10052508
CIE _{Lab}	49.61, 31.45, -22.16
CIE _{LCh}	50, 38.473, 324.826
Yxy	18.0963, 0.3130, 0.2400
Android (android.graphics.Color)	4288242588 (0xFF99639C)
YUV	121.6440, 16.9375, 27.4992
Hunter-Lab	42.5397, 24.5807, -17.1940

Details

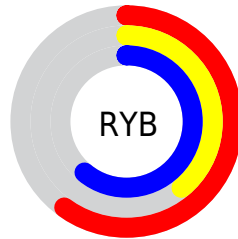
The XYZ color **23.5995, 18.0963, 33.7016** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.6207, 27.5030, 16.0797**, and the grayscale version is **18.3267, 19.2811, 20.9972**.

A 20% lighter version of the original color is **48.8369, 40.2463, 66.8223**, and **9.0572, 6.0678, 14.0584** is the 20% darker color. If you saturate the color by 10%, you get **22.1077, 15.3416, 33.2488**, and if you desaturate by 10%, it is **25.3790, 21.4242, 34.2504**.

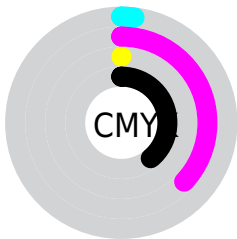
Distribution



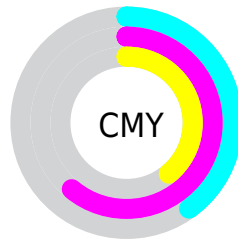
- Red (60%)
- Green (39%)
- Blue (61%)



- Red (60%)
- Yellow (39%)
- Blue (61%)



- Cyan (2%)
- Magenta (37%)
- Yellow (0%)
- Black (39%)



- Cyan (40%)
- Magenta (61%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5995, 18.0963, 33.7016 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 23.5995, 18.0963, 33.7016 by changing the saturation by 10% instead.

■ 23.5995, 18.0963,
33.7016

■ 23.5995, 18.0963,
33.7016

263.2676,
241.4133, 333.5279

■ 15.1599, 11.0191,
22.3890

■ 48.8353, 40.2013,
66.5979

■ 9.0187, 6.0797,
13.9419

■ 66.3622, 55.9980,
89.0187

■ 4.8106, 2.8936,
7.9420

■ 87.6490, 75.4700,
115.9793

■ 2.1702, 1.0764,
3.9706

■ 113.0609, 99.0017,
147.8982

■ 0.7270, 0.0000,
1.6092

142.9634,
126.9775, 185.1940

■ 0.0000, 0.0000,
0.2974

177.7218,

■ 0.0000, 0.0000,

159.7817, 228.2851

0.0000

217.7014,
197.7989, 277.5903

■ 23.5995, 18.0963,
33.7016

■ 23.5995, 18.0963,
33.7016

■ 22.1077, 15.3416,
33.2488

■ 25.3790, 21.4242,
34.2504

■ 20.8854, 13.1246,
32.8853

■ 27.4597, 25.3531,
34.8991

■ 19.9149, 11.4097,
32.6054

■ 29.8562, 29.9122,
35.6528

■ 19.1759, 10.1562,
32.4024

■ 32.5818, 35.1278,
36.5158

■ 18.6446, 9.3166,
32.2684

■ 35.6490, 41.0248,
37.4924

■ 18.2859, 8.8206,
32.1915

■ 39.0694, 47.6270,
38.5865

■ 18.1759, 8.6768,
32.1696

■ 42.8545, 54.9567,
39.8018

■ 47.0149, 63.0355,
41.1419

■ 51.5609, 71.8839,
42.6102

Harmonies

Analogous

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



20.3188, 18.0963, 44.1606



23.5995, 18.0963, 33.7016



25.1809, 18.0963, 21.5729

Triad

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



23.5995, 18.0963, 33.7016



17.8408, 18.0963, 5.6981



11.5834, 18.0963, 29.4072

Complementary

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



23.5995, 18.0963, 33.7016



19.6207, 27.5030, 16.0797

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.



11.1134, 18.0963, 17.9459



23.5995, 18.0963, 33.7016



14.4179, 18.0963, 6.5105

Square

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



23.5995, 18.0963, 33.7016



21.5688, 18.0963, 7.4160



12.0766, 18.0963, 10.2437



13.4649, 18.0963, 41.1280

Rectangle

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



23.5995, 18.0963, 33.7016



24.9173, 18.0963, 14.9943



12.0766, 18.0963, 10.2437



11.2674, 18.0963, 25.3086

Sweetspot

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



23.6001, 18.0971, 33.7020



52.1164, 50.3067, 64.0901



15.9775, 14.7146, 33.4509



11.3498, 10.8450, 14.0655



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.



23.6001, 18.0971, 33.7020



40.5702, 28.6285, 60.5143



22.2898, 17.6392, 23.8101



6.8697, 6.7368, 8.3449



14.9805, 7.1517, 26.4981



0.2773, 0.1327, 0.4742

Inverse Universe

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



20.5710, 16.9517, 14.7589



34.2738, 26.2572, 20.7029



20.6538, 27.8777, 23.2626



6.6465, 6.6515, 6.9896



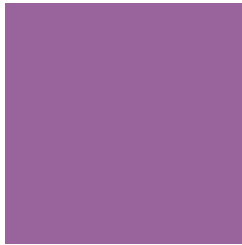
11.3343, 5.8383, 0.7453



0.2063, 0.1059, 0.0327

Previews

White Background



This preview shows how the XYZ color 23.5995, 18.0963, 33.7016 looks on a white background.

Color Contrast Check

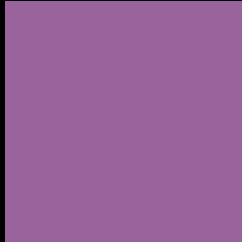
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5995, 18.0963, 33.7016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

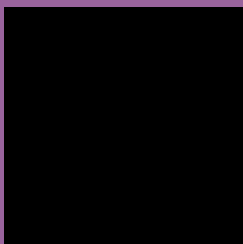
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.5995, 18.0963, 33.7016

Background



This preview shows how black text looks on a background with the XYZ color 23.5995, 18.0963, 33.7016.



This preview shows how white text looks on a background with the XYZ color 23.5995, 18.0963,

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

23.5995, 18.0963, 33.7016

Protanopia

18.9838, 18.3916, 40.5796

Deuteranopia

18.5507, 18.1702, 32.6665



Tritanopia

20.6228, 18.0722, 18.9243

Trichromacy



Original Color

23.5995, 18.0963, 33.7016

Protanomaly

20.1132, 17.8615, 37.9849

Deuteranomaly

20.0128, 17.9206, 32.9761

Tritanomaly

21.6247, 18.0234, 23.8118

Monochromacy



Original Color

23.5995, 18.0963, 33.7016

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.9933, 18.7424, 25.1181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5995, 18.0963, 33.7016 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(153, 99, 156)` looks like.

```
.text, #text, p{  
    color:rgb(153, 99, 156)  
}
```

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(153, 99, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 99, 156) }
```

Border

The CSS property to change the border of an element to XYZ 23.5995, 18.0963, 33.7016 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(153, 99, 156) }
```


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

```
.border{ border-color:rgb(153, 99, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 99, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 99, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 99, 156);  
box-shadow:4px 4px 4px 4px rgb(153, 99,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5995, 18.0963, 33.7016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 99, 156) }
```

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

```
.background{ background-color: rgb(153, 99,  
156) }
```

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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