

Converting Colors

XYZ(23.2796, 17.9580, 29.6365)

Have a look what the booklet for
XYZ(23.2796, 17.9580, 29.6365)
contains.

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Color

**XYZ(23.3604, 18.0669,
29.4502)**

Conversions

Conversions Part 1

Format	Color
Hex	9C6392
RGB	156, 99, 146
RGB Percent	61%, 39%, 57%
CMY	0.3882, 0.6117, 0.4274
CMYK	0.00, 0.37, 0.06, 0.39
HSL	311°, 22%, 50%
HSV	311°, 37%, 61%
XYZ	23.3604, 18.0669, 29.4502
YIQ	121.4010, 18.8850, 26.7010

Conversions

Conversions Part 2

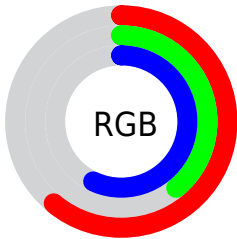
Format	Color
R _Y B	156, 99, 146
Decimal	10249106
CIE Lab	49.58, 30.54, -16.28
CIE LCh	50, 34.604, 331.940
Yxy	18.0669, 0.3296, 0.2549
Android (android.graphics.Color)	4288439186 (0xFF9C6392)
YUV	121.4010, 12.1273, 30.3433
Hunter-Lab	42.5052, 23.7177, -11.3261

Details

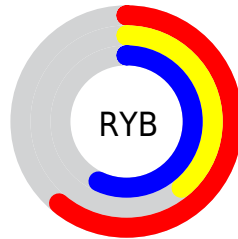
The XYZ color **23.3604, 18.0669, 29.4502** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.7951, 27.5342, 18.7403**, and the grayscale version is **18.2619, 19.2129, 20.9228**.

A 20% lighter version of the original color is **48.3559, 40.1522, 59.8451**, and **8.7997, 5.9910, 11.5191** is the 20% darker color. If you saturate the color by 10%, you get **21.8126, 15.3076, 27.8965**, and if you desaturate by 10%, it is **25.1999, 21.4008, 31.1267**.

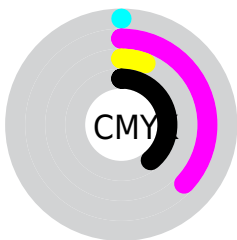
Distribution



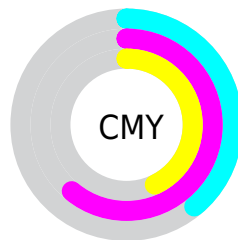
- Red (61%)
- Green (39%)
- Blue (57%)



- Red (61%)
- Yellow (39%)
- Blue (57%)



- Cyan (0%)
- Magenta (37%)
- Yellow (6%)
- Black (39%)



- Cyan (39%)
- Magenta (61%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3604, 18.0669, 29.4502 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 23.3604, 18.0669, 29.4502 by changing the saturation by 10% instead.

■ 23.3604, 18.0669,
29.4502

■ 23.3604, 18.0669,
29.4502

262.0716,
241.2479, 313.4604

■ 14.9820, 10.9980,
19.1732

■ 48.4467, 40.1513,
59.8423

■ 8.8930, 6.0655,
11.6174

■ 65.8854, 55.9356,
80.7944

■ 4.7280, 2.8850,
6.3644

■ 87.0749, 75.3938,
106.1420

■ 2.1217, 1.0720,
2.9955

■ 112.3805, 98.9104,
136.3036

■ 0.7010, 0.0000,
1.0923

142.1676,
126.8697, 171.6976

■ 0.0000, 0.0000,
0.0000

176.8016,

159.6561, 212.7428

216.6478,
197.6540, 259.8575

■ 23.3604, 18.0669,
29.4502

■ 23.3604, 18.0669,
29.4502

■ 21.8126, 15.3076,
27.8965

■ 25.1999, 21.4008,
31.1267

■ 20.5382, 13.0875,
26.4587

■ 27.3447, 25.3374,
32.9300

■ 19.5197, 11.3711,
25.1311

■ 29.8095, 29.9055,
34.8655

■ 18.7366, 10.1173,
23.9065

■ 32.6074, 35.1317,
36.9378

■ 18.1651, 9.2790,
22.7769

■ 35.7510, 41.0409,
39.1511

■ 17.7701, 8.7857,
21.7304

■ 39.2522, 47.6568,
41.5095

■ 17.6484, 8.6432,
21.3786

■ 43.1221, 55.0018,
44.0171

■ 47.3717, 63.0974,
46.6775

■ 52.0112, 71.9643,
49.4943

Harmonies

Analogous

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



20.7293, 18.0669, 39.3251



23.3604, 18.0669, 29.4502



24.2779, 18.0669, 19.0667

Triad

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



23.3604, 18.0669, 29.4502



16.9595, 18.0669, 6.5787



12.3568, 18.0669, 30.8578

Complementary

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



23.3604, 18.0669, 29.4502



19.7951, 27.5342, 18.7403

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.



11.6086, 18.0669, 20.2895



23.3604, 18.0669, 29.4502



14.0470, 18.0669, 7.9804

Square

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



23.3604, 18.0669, 29.4502



20.3129, 18.0669, 7.6501



12.1862, 18.0669, 12.3398



14.3729, 18.0669, 40.3032

Rectangle

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



23.3604, 18.0669, 29.4502



23.7116, 18.0669, 13.6655



12.1862, 18.0669, 12.3398



11.9612, 18.0669, 27.2215

Sweetspot

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



23.3610, 18.0677, 29.4506



51.9725, 50.2864, 61.6492



16.7087, 14.5445, 33.3795



11.3147, 10.8401, 13.4699



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.



23.3610, 18.0677, 29.4506



40.0506, 28.5679, 51.1228



21.4428, 17.3004, 19.3495



6.8542, 6.7346, 8.0832



14.5481, 7.1238, 17.6689



0.2721, 0.1322, 0.3791

Inverse Universe

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



23.3610, 18.0677, 29.4506



40.0506, 28.5679, 51.1228



21.5500, 28.2362, 27.9818



6.8542, 6.7346, 8.0832



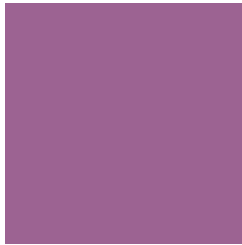
14.5481, 7.1238, 17.6689



0.2721, 0.1322, 0.3791

Previews

White Background



This preview shows how the XYZ color 23.3604, 18.0669, 29.4502 looks on a white background.

Color Contrast Check

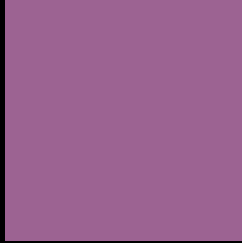
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3604, 18.0669, 29.4502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

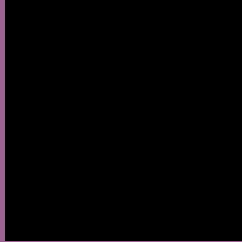
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.3604, 18.0669, 29.4502

Background



This preview shows how black text looks on a background with the XYZ color 23.3604, 18.0669, 29.4502.



This preview shows how white text looks on a background with the XYZ color 23.3604, 18.0669,

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

23.3604, 18.0669, 29.4502

Protanopia

18.5632, 18.2900, 35.3528

Deuteranopia

18.5394, 18.2559, 28.5332



Tritanopia

20.9811, 17.9708, 17.9857

Trichromacy



Original Color

23.3604, 18.0669, 29.4502

Protanomaly

19.7208, 17.7700, 32.9624

Deuteranomaly

19.9700, 17.9908, 28.8056

Tritanomaly

21.6888, 17.9535, 21.7243

Monochromacy



Original Color

23.3604, 18.0669, 29.4502

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.7659, 18.4903, 23.6463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3604, 18.0669, 29.4502 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(156, 99, 146)` looks like.

```
.text, #text, p{  
    color:rgb(156, 99, 146)  
}
```

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(156, 99, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 99, 146) }
```

Border

The CSS property to change the border of an element to XYZ 23.3604, 18.0669, 29.4502 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(156, 99, 146) }
```


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

```
.border{ border-color:rgb(156, 99, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 99, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 99, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 99, 146); box-shadow:4px 4px 4px 4px rgb(156, 99, 146) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3604, 18.0669, 29.4502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 99, 146) }
```

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

```
.background{ background-color: rgb(156, 99,  
146) }
```

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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