

Converting Colors

XYZ(23.6460, 18.7396, 29.6620)

Have a look what the booklet for
XYZ(23.6460, 18.7396, 29.6620)
contains.

XYZ(23.7489, 18.8437, 29.5796)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.7489, 18.8437,
29.5796)**

Conversions

Conversions Part 1

Format	Color
Hex	9C6792
RGB	156, 103, 146
RGB Percent	61%, 40%, 57%
CMY	0.3882, 0.5961, 0.4274
CMYK	0.00, 0.34, 0.06, 0.39
HSL	311°, 21%, 51%
HSV	311°, 34%, 61%
XYZ	23.7489, 18.8437, 29.5796
YIQ	123.7490, 17.7850, 24.6090

Conversions

Conversions Part 2

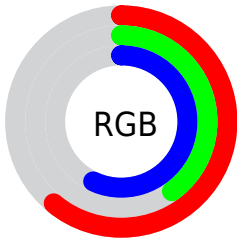
Format	Color
R_{YB}	156, 103, 146
Decimal	10250130
CIE _{Lab}	50.50, 28.27, -14.87
CIE _{LCh}	51, 31.941, 332.256
Yxy	18.8437, 0.3291, 0.2611
Android (android.graphics.Color)	4288440210 (0xFF9C6792)
YUV	123.7490, 10.9697, 28.2841
Hunter-Lab	43.4093, 21.6896, -10.0143

Details

The XYZ color **23.7489, 18.8437, 29.5796** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.4634, 27.8535, 19.9217**, and the grayscale version is **19.0357, 20.0270, 21.8094**.

A 20% lighter version of the original color is **49.0106, 41.4617, 60.0633**, and **9.1407, 6.5017, 11.5997** is the 20% darker color. If you saturate the color by 10%, you get **22.1137, 15.9348, 27.9194**, and if you desaturate by 10%, it is **25.6806, 22.3357, 31.3682**.

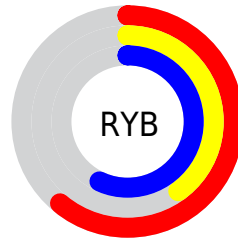
Distribution



Red (61%)

Green (40%)

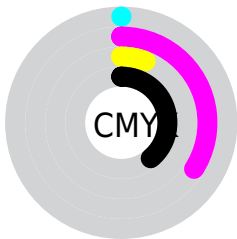
Blue (57%)



Red (61%)

Yellow (40%)

Blue (57%)

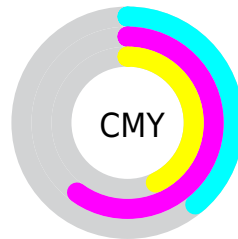


Cyan (0%)

Magenta (34%)

Yellow (6%)

Black (39%)



Cyan (39%)

Magenta (60%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7489, 18.8437, 29.5796 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 23.7489, 18.8437, 29.5796 by changing the saturation by 10% instead.

■ 23.7489, 18.8437,
29.5796

■ 23.7489, 18.8437,
29.5796

264.0126,
245.5845, 314.0860

■ 15.2712, 11.5574,
19.2704

■ 49.0778, 41.4698,
60.0498

■ 9.0975, 6.4431,
11.6870

■ 66.6597, 57.5784,
81.0479

■ 4.8624, 3.1163,
6.4110

■ 88.0070, 77.3966,
106.4460

■ 2.2007, 1.1928,
3.0238

■ 113.4851,
101.3087, 136.6627

■ 0.7431, 0.0558,
1.1068

143.4594,
129.6992, 172.1165

■ 0.0000, 0.0000,
0.0000

178.2952,

162.9524, 213.2260

218.3578,
201.4527, 260.4096

■ 23.7489, 18.8437,
29.5796

■ 23.7489, 18.8437,
29.5796

■ 22.1137, 15.9348,
27.9194

■ 25.6806, 22.3357,
31.3682

■ 20.7572, 13.5741,
26.3807

■ 27.9221, 26.4379,
33.2891

■ 19.6621, 11.7271,
24.9579

■ 30.4879, 31.1791,
35.3476

■ 18.8087, 10.3541,
23.6441

■ 33.3909, 36.5851,
37.5483

■ 18.1741, 9.4098,
22.4314

■ 36.6435, 42.6807,
39.8955

■ 17.7312, 8.8396,
21.3106

■ 40.2575, 49.4892,
42.3932

■ 17.5129, 8.5890,
20.6648

■ 44.2439, 57.0327,
45.0454

■ 48.6134, 65.3326,
47.8559

■ 53.3763, 74.4092,
50.8283

Harmonies

Analogous

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



21.2995, 18.8437, 38.7022



23.7489, 18.8437, 29.5796



24.5836, 18.8437, 19.8500

Triad

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



23.7489, 18.8437, 29.5796



17.6757, 18.8437, 7.7109



13.3094, 18.8437, 31.0967

Complementary

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



23.7489, 18.8437, 29.5796



20.4634, 27.8535, 19.9217

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.



12.5693, 18.8437, 21.2000



23.7489, 18.8437, 29.5796



14.9013, 18.8437, 9.1649

Square

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



23.7489, 18.8437, 29.5796



20.8446, 18.8437, 8.7761



13.1169, 18.8437, 13.5258



15.2653, 18.8437, 39.7418

Rectangle

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



23.7489, 18.8437, 29.5796



24.0425, 18.8437, 14.6845



13.1169, 18.8437, 13.5258



12.9211, 18.8437, 27.7210

Sweetspot

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



23.7495, 18.8445, 29.5800



52.4023, 51.1296, 61.8430



17.6255, 15.5936, 33.5340



11.4007, 11.0108, 13.5026



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.



23.7495, 18.8445, 29.5800



40.7622, 29.9973, 51.3414



21.9383, 18.1201, 20.0425



6.8504, 6.7331, 8.0635



14.4370, 7.0794, 17.0839



0.2708, 0.1317, 0.3724

Inverse Universe

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



23.7495, 18.8445, 29.5800



40.7622, 29.9973, 51.3414



22.1588, 28.5316, 28.8492



6.8504, 6.7331, 8.0635



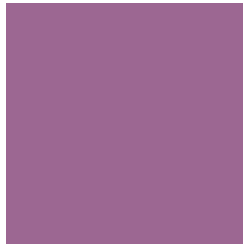
14.4370, 7.0794, 17.0839



0.2708, 0.1317, 0.3724

Previews

White Background



This preview shows how the XYZ color 23.7489, 18.8437, 29.5796 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 23.7489, 18.8437, 29.5796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

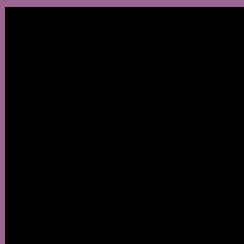
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.7489, 18.8437, 29.5796

Background



This preview shows how black text looks on a background with the XYZ color 23.7489, 18.8437, 29.5796.



This preview shows how white text looks on a background with the XYZ color 23.7489, 18.8437,

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

23.7489, 18.8437, 29.5796

Protanopia

19.1130, 18.9430, 34.5473

Deuteranopia

19.3215, 19.0050, 28.6366



Tritanopia

21.6284, 18.8970, 19.3372

Trichromacy



Original Color

23.7489, 18.8437, 29.5796

Protanomaly

20.4073, 18.6222, 32.6559

Deuteranomaly

20.7707, 18.8922, 28.9374

Tritanomaly

22.2908, 18.8462, 22.8849

Monochromacy



Original Color

23.7489, 18.8437, 29.5796

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

20.5636, 19.3910, 24.4888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7489, 18.8437, 29.5796 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, 103, 146)` looks like.

```
.text, #text, p{  
    color:rgb(156, 103, 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, 103, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 103, 146) }
```

Border

The CSS property to change the border of an element to XYZ 23.7489, 18.8437, 29.5796 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, 103, 146) }
```


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

```
.border{ border-color:rgb(156, 103, 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, 103, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 103, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 103, 146);  
box-shadow:4px 4px 4px 4px rgb(156, 103,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7489, 18.8437, 29.5796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 103, 146) }
```

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

```
.background{ background-color: rgb(156,  
103, 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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