

Converting Colors

XYZ(23.9203, 18.8075, 24.1264)

Have a look what the booklet for
XYZ(23.9203, 18.8075, 24.1264)
contains.

XYZ(23.9228, 18.7598, 24.1899)	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(23.9228, 18.7598,
24.1899)**

Conversions

Conversions Part 1

Format	Color
Hex	A36584
RGB	163, 101, 132
RGB Percent	64%, 40%, 52%
CMY	0.3608, 0.6039, 0.4824
CMYK	0.00, 0.38, 0.19, 0.36
HSL	330°, 25%, 52%
HSV	330°, 38%, 64%
XYZ	23.9228, 18.7598, 24.1899
YIQ	123.0720, 27.0010, 22.7850

Conversions

Conversions Part 2

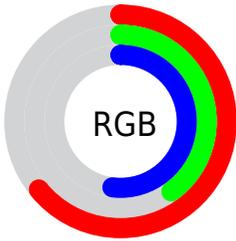
Format	Color
RYB	163, 101, 132
Decimal	10708356
CIELab	50.40, 29.46, -6.64
CIELCh	50, 30.201, 347.300
Yxy	18.7598, 0.3577, 0.2805
Android (android.graphics.Color)	4288898436 (0xFFA36584)
YUV	123.0720, 4.4015, 35.0169
Hunter-Lab	43.3126, 22.7937, -2.7944

Details

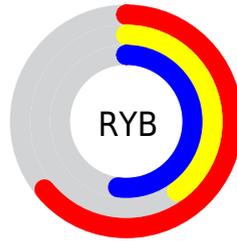
The XYZ color **23.9228, 18.7598, 24.1899** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.6297, 30.6276, 26.5502**, and the grayscale version is **18.8306, 19.8113, 21.5745**.

A 20% lighter version of the original color is **49.3616, 41.3453, 51.2777**, and **9.2197, 6.3955, 8.9321** is the 20% darker color. If you saturate the color by 10%, you get **21.9582, 15.6885, 20.8900**, and if you desaturate by 10%, it is **26.2459, 22.4780, 27.8248**.

Distribution



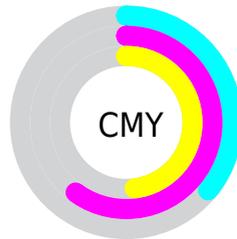
- Red (64%)
- Green (40%)
- Blue (52%)



- Red (64%)
- Yellow (40%)
- Blue (52%)



- Cyan (0%)
- Magenta (38%)
- Yellow (19%)
- Black (36%)



- Cyan (36%)
- Magenta (60%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9228, 18.7598, 24.1899 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 23.9228, 18.7598, 24.1899 by changing the saturation by 10% instead.

 23.9228, 18.7598,
24.1899

 23.9228, 18.7598,
24.1899

264.8777,
245.1195, 287.0966

 15.4008, 11.4968,
15.2610

 49.3598, 41.3278,
51.2876

 9.1893, 6.4021,
8.8541

 67.0055, 57.4017,
70.2936

 4.9230, 3.0911,
4.5507

 88.4231, 77.1813,
93.4956

 2.2364, 1.1795,
1.9320

 113.9780,
101.0511, 121.3124

 0.7618, 0.0448,
0.5130

144.0356,
129.3954, 154.1623

 0.0000, 0.0000,
0.0000

178.9611,

162.5986, 192.4639

219.1200,
201.0452, 236.6358

■ 23.9228, 18.7598,
24.1899

■ 23.9228, 18.7598,
24.1899

■ 21.9582, 15.6885,
20.8900

■ 26.2459, 22.4780,
27.8248

■ 20.3310, 13.2238,
17.9124

■ 28.9441, 26.8752,
31.8042

■ 19.0198, 11.3250,
15.2454

■ 32.0345, 31.9843,
36.1387

■ 18.0006, 9.9450,
12.8754

■ 35.5331, 37.8355,
40.8381

■ 17.2449, 9.0292,
10.7877

■ 39.4547, 44.4570,
45.9115

 16.7043, 8.4822,
8.9602

 43.8134, 51.8757,
51.3679

 16.6083, 8.3881,
8.6261

 48.6226, 60.1171,
57.2159

 53.8951, 69.2057,
63.4637

 59.6434, 79.1648,
70.1193

Harmonies

Analogous

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



22.3085, 18.7598, 33.4660



23.9228, 18.7598, 24.1899



23.7804, 18.7598, 15.9866

Triad

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



23.9228, 18.7598, 24.1899



16.2043, 18.7598, 8.5538



14.2704, 18.7598, 34.7573

Complementary

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



23.9228, 18.7598, 24.1899



22.6297, 30.6276, 26.5502

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.



12.9665, 18.7598, 25.6200



23.9228, 18.7598, 24.1899



13.9960, 18.7598, 11.3083

Square

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



23.9228, 18.7598, 24.1899



19.1004, 18.7598, 8.3672



12.8719, 18.7598, 17.0747



16.6184, 18.7598, 40.6008

Rectangle

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



23.9228, 18.7598, 24.1899



22.7077, 18.7598, 12.1132



12.8719, 18.7598, 17.0747



13.7072, 18.7598, 31.8708

Sweetspot

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



23.9233, 18.7607, 24.1903



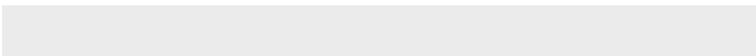
55.5390, 54.2397, 62.1910



20.7811, 16.8582, 36.8093



12.3123, 11.9146, 13.7425



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.9233, 18.7607, 24.1903



39.7087, 28.6887, 38.0798



22.1076, 18.0344, 14.6287



7.2145, 7.1423, 8.1161



12.9305, 6.5283, 6.8249



0.2956, 0.1467, 0.2690

Inverse Universe

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



23.9233, 18.7607, 24.1903



39.7087, 28.6887, 38.0798



25.0755, 31.6059, 39.4296



7.2145, 7.1423, 8.1161



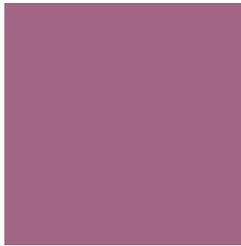
12.9305, 6.5283, 6.8249



0.2956, 0.1467, 0.2690

Previews

White Background



This preview shows how the XYZ color 23.9228, 18.7598, 24.1899 looks on a white background.

Color Contrast Check

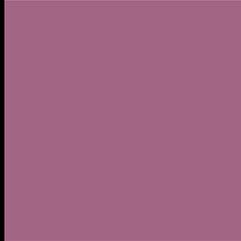
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9228, 18.7598, 24.1899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

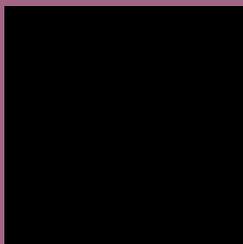
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.9228, 18.7598, 24.1899

Background



This preview shows how black text looks on a background with the XYZ color 23.9228, 18.7598, 24.1899.



This preview shows how white text looks on a background with the XYZ color 23.9228, 18.7598,

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

23.9228, 18.7598, 24.1899

Protanopia

18.7011, 18.8521, 29.0387

Deuteranopia

19.2258, 18.8968, 23.4030



Tritanopia

22.6741, 18.8501, 17.7726

Trichromacy



Original Color

23.9228, 18.7598, 24.1899

Protanomaly

20.0435, 18.3873, 27.3036

Deuteranomaly

20.6982, 18.6433, 23.6267

Tritanomaly

23.1804, 18.9139, 19.8818

Monochromacy



Original Color

23.9228, 18.7598, 24.1899

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

20.3779, 19.1711, 22.3650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9228, 18.7598, 24.1899 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(163, 101, 132)` looks like.

```
.text, #text, p{  
    color:rgb(163, 101, 132)  
}
```

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(163, 101, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 101, 132) }
```

Border

The CSS property to change the border of an element to XYZ 23.9228, 18.7598, 24.1899 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(163, 101, 132) }
```

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

```
.border{ border-color:rgb(163, 101, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 101, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 101, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 101, 132);  
box-shadow:4px 4px 4px 4px rgb(163, 101,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9228, 18.7598, 24.1899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 101, 132) }
```

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

```
.background{ background-color: rgb(163,  
101, 132) }
```

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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