

Converting Colors

XYZ(23.8749, 19.6398, 29.8095)

Have a look what the booklet for
XYZ(23.8749, 19.6398, 29.8095)
contains.

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Color

**XYZ(23.8773, 19.6705,
29.7324)**

Conversions

Conversions Part 1

Format	Color
Hex	9A6C92
RGB	154, 108, 146
RGB Percent	60%, 42%, 57%
CMY	0.3961, 0.5765, 0.4274
CMYK	0.00, 0.30, 0.05, 0.40
HSL	310°, 19%, 51%
HSV	310°, 30%, 60%
XYZ	23.8773, 19.6705, 29.7324
YIQ	126.0860, 15.2180, 21.5700

Conversions

Conversions Part 2

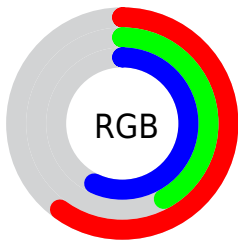
Format	Color
RYB	154, 108, 146
Decimal	10120338
CIELab	51.46, 24.70, -13.44
CIELCh	51, 28.122, 331.453
Yxy	19.6705, 0.3258, 0.2684
Android (android.graphics.Color)	4288310418 (0xFF9A6C92)
YUV	126.0860, 9.8176, 24.4806
Hunter-Lab	44.3514, 18.4833, -8.7009

Details

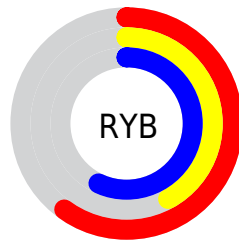
The XYZ color **23.8773, 19.6705, 29.7324** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.8932, 27.5609, 20.7428**, and the grayscale version is **19.8250, 20.8575, 22.7138**.

A 20% lighter version of the original color is **49.2906, 42.8671, 60.3199**, and **9.1609, 6.8827, 11.6721** is the 20% darker color. If you saturate the color by 10%, you get **22.1886, 16.6224, 28.1537**, and if you desaturate by 10%, it is **25.8590, 23.2961, 31.4333**.

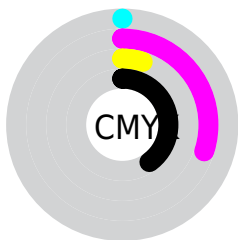
Distribution



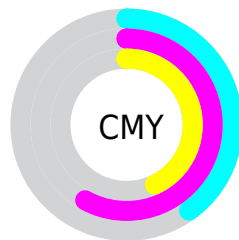
- Red (60%)
- Green (42%)
- Blue (57%)



- Red (60%)
- Yellow (42%)
- Blue (57%)



- Cyan (0%)
- Magenta (30%)
- Yellow (5%)
- Black (40%)



- Cyan (40%)
- Magenta (58%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8773, 19.6705, 29.7324 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 23.8773, 19.6705, 29.7324 by changing the saturation by 10% instead.

■ 23.8773, 19.6705,
29.7324

■ 23.8773, 19.6705,
29.7324

264.6516,
250.1257, 314.8235

■ 15.3669, 12.1558,
19.3852

■ 49.2860, 42.8641,
60.2947

■ 9.1653, 6.8498,
11.7693

■ 66.9150, 59.3117,
81.3470

■ 4.9071, 3.3684,
6.4662

■ 88.3143, 79.5057,
106.8046

■ 2.2271, 1.3269,
3.0572

■ 113.8491,
103.8305, 137.0863

■ 0.7569, 0.1619,
1.1239

143.8849,
132.6705, 172.6105

■ 0.0000, 0.0000,
0.0000

178.7870,

166.4101, 213.7957

218.9208,
205.4337, 261.0605

■ 23.8773, 19.6705,
29.7324

■ 23.8773, 19.6705,
29.7324

■ 22.1886, 16.6224,
28.1537

■ 25.8590, 23.2961,
31.4333

■ 20.7760, 14.1189,
26.6907

■ 28.1459, 27.5246,
33.2600

■ 19.6235, 12.1280,
25.3381

■ 30.7516, 32.3830,
35.2174

■ 18.7128, 10.6131,
24.0898

■ 33.6887, 37.8959,
37.3098

■ 18.0233, 9.5329,
22.9386

■ 36.9686, 44.0867,
39.5412

■ 17.5306, 8.8389,
21.8763

■ 40.6026, 50.9774,
41.9155

■ 17.1759, 8.4134,
20.8831

■ 44.6012, 58.5892,
44.4364

■ 17.1714, 8.4080,
20.8703

■ 48.9745, 66.9424,
47.1074

■ 53.7324, 76.0564,
49.9319

Harmonies

Analogous

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



21.6718, 19.6705, 37.5913



23.8773, 19.6705, 29.7324



24.6599, 19.6705, 21.0264

Triad

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



23.8773, 19.6705, 29.7324



18.5590, 19.6705, 9.3391



14.4402, 19.6705, 30.5895

Complementary

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



23.8773, 19.6705, 29.7324



20.8932, 27.5609, 20.7428

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.



13.7810, 19.6705, 21.8141



23.8773, 19.6705, 29.7324



16.0063, 19.6705, 10.7109

Square

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



23.8773, 19.6705, 29.7324



21.4100, 19.6705, 10.4647



14.3247, 19.6705, 14.8187



16.2220, 19.6705, 38.1673

Rectangle

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



23.8773, 19.6705, 29.7324



24.2128, 19.6705, 16.2238



14.3247, 19.6705, 14.8187



14.0885, 19.6705, 27.6167

Sweetspot

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



23.8779, 19.6714, 29.7328



51.4353, 50.5698, 60.6556



18.3544, 16.7495, 32.8378



11.5044, 11.1904, 13.6225



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.



23.8779, 19.6714, 29.7328



41.2169, 31.8285, 52.0221



22.2858, 19.0345, 21.3489



6.4151, 6.3052, 7.5660



14.0014, 6.8548, 17.0644



0.2200, 0.1068, 0.3116

Inverse Universe

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



23.8779, 19.6714, 29.7328



41.2169, 31.8285, 52.0221



22.3766, 28.1543, 28.5542



6.4151, 6.3052, 7.5660



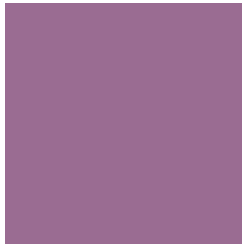
14.0014, 6.8548, 17.0644



0.2200, 0.1068, 0.3116

Previews

White Background



This preview shows how the XYZ color 23.8773, 19.6705, 29.7324 looks on a white background.

Color Contrast Check

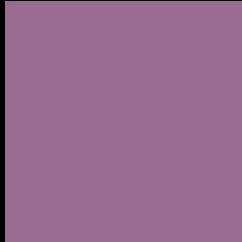
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8773, 19.6705, 29.7324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

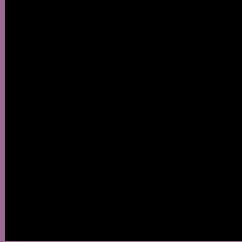
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.8773, 19.6705, 29.7324

Background



This preview shows how black text looks on a background with the XYZ color 23.8773, 19.6705, 29.7324.



This preview shows how white text looks on a background with the XYZ color 23.8773, 19.6705,

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

23.8773, 19.6705, 29.7324

Protanopia

19.9462, 19.9305, 33.8060

Deuteranopia

20.2080, 19.8065, 29.1435



Tritanopia

22.1188, 19.7700, 20.7394

Trichromacy



Original Color

23.8773, 19.6705, 29.7324

Protanomaly

21.0820, 19.6567, 32.3887

Deuteranomaly

21.5096, 19.7694, 29.4703

Tritanomaly

22.6626, 19.6560, 23.7186

Monochromacy



Original Color

23.8773, 19.6705, 29.7324

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.9838, 20.1213, 24.9681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8773, 19.6705, 29.7324 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(154, 108, 146)` looks like.

```
.text, #text, p{  
    color:rgb(154, 108, 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(154, 108, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 108, 146) }
```

Border

The CSS property to change the border of an element to XYZ 23.8773, 19.6705, 29.7324 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(154, 108, 146) }
```


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

```
.border{ border-color:rgb(154, 108, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 108, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 108, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 108, 146);  
box-shadow:4px 4px 4px 4px rgb(154, 108,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8773, 19.6705, 29.7324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 108, 146) }
```

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

```
.background{ background-color: rgb(154,  
108, 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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