

Converting Colors

XYZ(23.2238, 17.6879, 30.6271)

Have a look what the booklet for
XYZ(23.2238, 17.6879, 30.6271)
contains.

XYZ(23.2171, 17.6879, 30.6242)	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(23.2171, 17.6879,
30.6242)**

Conversions

Conversions Part 1

Format	Color
Hex	9B6195
RGB	155, 97, 149
RGB Percent	61%, 38%, 58%
CMY	0.3922, 0.6196, 0.4157
CMYK	0.00, 0.37, 0.04, 0.39
HSL	306°, 23%, 49%
HSV	306°, 37%, 61%
XYZ	23.2171, 17.6879, 30.6242
YIQ	120.2700, 17.8760, 28.4680

Conversions

Conversions Part 2

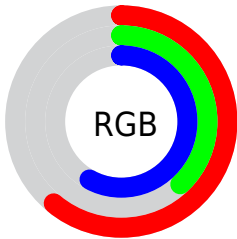
Format	Color
R_{YB}	155, 97, 149
Decimal	10183061
CIE _{Lab}	49.12, 31.89, -18.77
CIE _{LCh}	49, 37.000, 329.515
Yxy	17.6879, 0.3246, 0.2473
Android (android.graphics.Color)	4288373141 (0xFF9B6195)
YUV	120.2700, 14.1639, 30.4582
Hunter-Lab	42.0570, 24.9393, -13.7327

Details

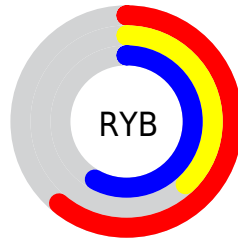
The XYZ color **23.2171, 17.6879, 30.6242** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.1001, 26.9640, 17.0309**, and the grayscale version is **17.8916, 18.8233, 20.4986**.

A 20% lighter version of the original color is **48.1053, 39.5083, 61.5904**, and **8.7410, 5.8205, 12.2180** is the 20% darker color. If you saturate the color by 10%, you get **21.7954, 15.0477, 29.5231**, and if you desaturate by 10%, it is **24.9215, 20.8900, 31.8286**.

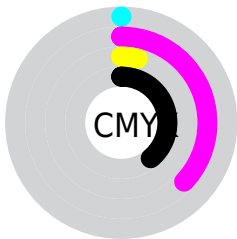
Distribution



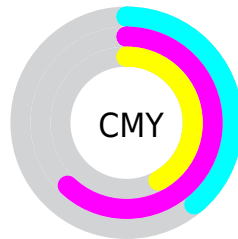
- Red (61%)
- Green (38%)
- Blue (58%)



- Red (61%)
- Yellow (38%)
- Blue (58%)



- Cyan (0%)
- Magenta (37%)
- Yellow (4%)
- Black (39%)



- Cyan (39%)
- Magenta (62%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2171, 17.6879, 30.6242 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 23.2171, 17.6879, 30.6242 by changing the saturation by 10% instead.

■ 23.2171, 17.6879,
30.6242

■ 23.2171, 17.6879,
30.6242

261.3527,
239.1060, 319.1007

■ 14.8755, 10.7261,
20.0568

■ 48.2136, 39.5048,
61.7205

■ 8.8178, 5.8830,
12.2518

■ 65.5992, 55.1287,
83.0866

■ 4.6787, 2.7741,
6.7908

■ 86.7301, 74.4088,
108.8892

■ 2.0928, 1.0149,
3.2552

■ 111.9718, 97.7295,
139.5470

■ 0.6853, 0.0000,
1.2264

141.6895,
125.4752, 175.4785

■ 0.0000, 0.0000,
0.0003

176.2487,

■ 0.0000, 0.0000,

158.0302, 217.1023

0.0000

216.0146,
195.7790, 264.8368

■ 23.2171, 17.6879,
30.6242

■ 23.2171, 17.6879,
30.6242

■ 21.7954, 15.0477,
29.5231

■ 24.9215, 20.8900,
31.8286

■ 20.6384, 12.9344,
28.5187

■ 26.9220, 24.6819,
33.1402

■ 19.7286, 11.3126,
27.6054

■ 29.2331, 29.0921,
34.5642

■ 19.0455, 10.1416,
26.7762

■ 31.8679, 34.1469,
36.1049

■ 18.5656, 9.3742,
26.0233

■ 34.8388, 39.8709,
37.7664

■ 18.2491, 8.9307,
25.3334

■ 38.1574, 46.2876,
39.5527

■ 18.1754, 8.8317,
25.1593

■ 41.8349, 53.4190,
41.4675

■ 45.8819, 61.2866,
43.5144

■ 50.3085, 69.9105,
45.6968

Harmonies

Analogous

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



20.3047, 17.6879, 41.0364



23.2171, 17.6879, 30.6242



24.3753, 17.6879, 19.4206

Triad

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



23.2171, 17.6879, 30.6242



16.8681, 17.6879, 5.8039



11.6643, 17.6879, 30.2457

Complementary

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



23.2171, 17.6879, 30.6242



19.1001, 26.9640, 17.0309

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.



11.0012, 17.6879, 19.0985



23.2171, 17.6879, 30.6242



13.7444, 17.6879, 6.9867

Square

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



23.2171, 17.6879, 30.6242



20.4154, 17.6879, 7.0689



11.7084, 17.6879, 11.1242



13.6594, 17.6879, 40.7703

Rectangle

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



23.2171, 17.6879, 30.6242



23.8896, 17.6879, 13.5727



11.7084, 17.6879, 11.1242



11.2914, 17.6879, 26.3462

Sweetspot

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



23.2177, 17.6887, 30.6246



50.7140, 48.9676, 60.9075



15.7625, 13.7886, 32.8415



11.3610, 10.8587, 13.7137



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.



23.2177, 17.6887, 30.6246



39.3932, 27.6136, 53.1642



21.1953, 16.8797, 19.9749



6.4337, 6.3126, 7.6638



14.6065, 7.0968, 20.2507



0.2252, 0.1089, 0.3390

Inverse Universe

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



23.2177, 17.6887, 30.6246



39.3932, 27.6136, 53.1642



20.8030, 27.6451, 25.9985



6.4337, 6.3126, 7.6638



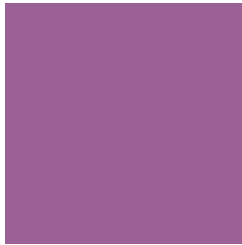
14.6065, 7.0968, 20.2507



0.2252, 0.1089, 0.3390

Previews

White Background



This preview shows how the XYZ color 23.2171, 17.6879, 30.6242 looks on a white background.

Color Contrast Check

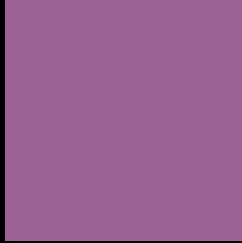
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2171, 17.6879, 30.6242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

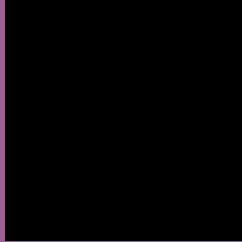
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.2171, 17.6879, 30.6242

Background



This preview shows how black text looks on a background with the XYZ color 23.2171, 17.6879, 30.6242.



This preview shows how white text looks on a background with the XYZ color 23.2171, 17.6879,

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

23.2171, 17.6879, 30.6242

Protanopia

18.3351, 17.7894, 37.1177

Deuteranopia

18.2585, 17.9142, 29.6896



Tritanopia

20.4526, 17.5545, 17.6396

Trichromacy



Original Color

23.2171, 17.6879, 30.6242

Protanomaly

19.5602, 17.3313, 34.6621

Deuteranomaly

19.6823, 17.4988, 29.9440

Tritanomaly

21.3042, 17.4634, 21.6500

Monochromacy



Original Color

23.2171, 17.6879, 30.6242

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.5638, 18.2136, 23.9572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2171, 17.6879, 30.6242 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(155, 97, 149)` looks like.

```
.text, #text, p{  
    color:rgb(155, 97, 149)  
}
```

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(155, 97, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 97, 149) }
```

Border

The CSS property to change the border of an element to XYZ 23.2171, 17.6879, 30.6242 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(155, 97, 149) }
```


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

```
.border{ border-color:rgb(155, 97, 149) }
```

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

Here you see how a box with a 4 pixel rgb(155, 97, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 97, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 97, 149);  
box-shadow:4px 4px 4px 4px rgb(155, 97,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2171, 17.6879, 30.6242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 97, 149) }
```

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

```
.background{ background-color: rgb(155, 97,  
149) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor