

Converting Colors

XYZ(23.0112, 19.0888, 33.3875)

Have a look what the booklet for
XYZ(23.0112, 19.0888, 33.3875)
contains.

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Color

**XYZ(23.1330, 19.2027,
33.4976)**

Conversions

Conversions Part 1

Format	Color
Hex	926C9B
RGB	146, 108, 155
RGB Percent	57%, 42%, 61%
CMY	0.4274, 0.5765, 0.3922
CMYK	0.06, 0.30, 0.00, 0.39
HSL	289°, 19%, 52%
HSV	289°, 30%, 61%
XYZ	23.1330, 19.2027, 33.4976
YIQ	124.7200, 7.5610, 22.6730

Conversions

Conversions Part 2

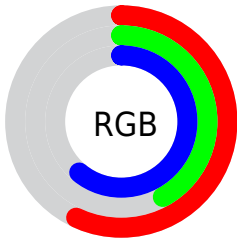
Format	Color
R_{YB}	146, 108, 155
Decimal	9596059
CIE _{Lab}	50.92, 23.71, -19.63
CIE _{LCh}	51, 30.784, 320.383
Yxy	19.2027, 0.3051, 0.2532
Android (android.graphics.Color)	4287786139 (0xFF926C9B)
YUV	124.7200, 14.9280, 18.6626
Hunter-Lab	43.8209, 17.5434, -14.6479

Details

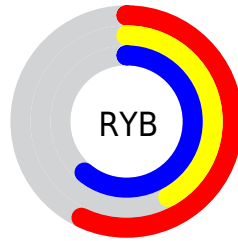
The XYZ color **23.1330, 19.2027, 33.4976** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.7650, 28.3078, 18.5052**, and the grayscale version is **19.3492, 20.3568, 22.1686**.

A 20% lighter version of the original color is **48.0231, 42.0741, 66.5628**, and **8.8339, 6.6641, 13.9174** is the 20% darker color. If you saturate the color by 10%, you get **21.1207, 15.9510, 32.9763**, and if you desaturate by 10%, it is **25.4508, 23.0444, 34.1173**.

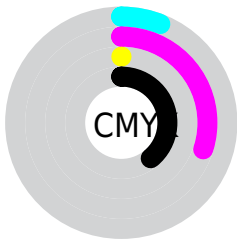
Distribution



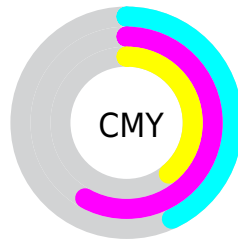
- Red (57%)
- Green (42%)
- Blue (61%)



- Red (57%)
- Yellow (42%)
- Blue (61%)



- Cyan (6%)
- Magenta (30%)
- Yellow (0%)
- Black (39%)



- Cyan (43%)
- Magenta (58%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1330, 19.2027, 33.4976 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 23.1330, 19.2027, 33.4976 by changing the saturation by 10% instead.

■ 23.1330, 19.2027,
33.4976

■ 23.1330, 19.2027,
33.4976

260.9300,
247.5655, 332.5865

■ 14.8130, 11.8168,
22.2337

■ 48.0767, 42.0763,
66.2766

■ 8.7737, 6.6191,
13.8287

■ 65.4310, 58.3329,
88.6287

■ 4.6498, 3.2250,
7.8643

■ 86.5276, 78.3151,
115.5140

■ 2.0759, 1.2503,
3.9217

■ 111.7316,
102.4075, 147.3509

■ 0.6761, 0.1022,
1.5825

141.4085,
130.9943, 184.5581

■ 0.0000, 0.0000,
0.2783

175.9236,

■ 0.0000, 0.0000,

164.4600, 227.5541

0.0000

215.6423,
203.1889, 276.7574

■ 23.1330, 19.2027,
33.4976

■ 23.1330, 19.2027,
33.4976

■ 21.1207, 15.9510,
32.9763

■ 25.4508, 23.0444,
34.1173

■ 19.3967, 13.2559,
32.5470

■ 28.0868, 27.5022,
34.8388

■ 17.9445, 11.0846,
32.2044

■ 31.0548, 32.6036,
35.6670

■ 16.7455, 9.3997,
31.9424

■ 34.3676, 38.3737,
36.6061

■ 15.7785, 8.1589,
31.7538

■ 38.0371, 44.8363,
37.6601

■ 15.0183, 7.3124,
31.6305

■ 42.0747, 52.0140,
38.8328

■ 14.4205, 6.7506,
31.5536

■ 46.4912, 59.9283,
40.1276

■ 51.2970, 68.5999,
41.5481

■ 56.5021, 78.0486,
43.0975

Harmonies

Analogous

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



20.3634, 19.2027, 40.8454



23.1330, 19.2027, 33.4976



24.6402, 19.2027, 23.8306

Triad

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



23.1330, 19.2027, 33.4976



19.2452, 19.2027, 8.3685



13.3039, 19.2027, 27.2956

Complementary

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



23.1330, 19.2027, 33.4976



21.7650, 28.3078, 18.5052

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.



13.0753, 19.2027, 18.2356



23.1330, 19.2027, 33.4976



16.2911, 19.2027, 8.8177

Square

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



23.1330, 19.2027, 33.4976



22.2368, 19.2027, 10.4851



14.1102, 19.2027, 11.9500



14.7734, 19.2027, 36.6306

Rectangle

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



23.1330, 19.2027, 33.4976



24.6236, 19.2027, 18.0350



14.1102, 19.2027, 11.9500



13.0862, 19.2027, 24.0720

Sweetspot

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



23.1336, 19.2035, 33.4980



50.8780, 50.2400, 62.5520



18.5096, 18.3716, 33.5812



11.3597, 11.1048, 14.1151



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.



23.1336, 19.2035, 33.4980



39.0678, 30.5557, 59.3750



23.6810, 19.6146, 27.6988



6.3453, 6.2639, 7.8036



11.6128, 5.4377, 25.3452



0.2001, 0.0949, 0.3801

Inverse Universe

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



22.0917, 18.9789, 19.3295



36.9933, 30.1391, 29.7811



21.4254, 28.0390, 22.7285



6.2547, 6.2411, 6.7216



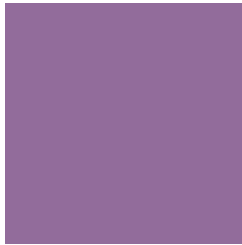
11.0536, 5.6757, 1.5412



0.1757, 0.0890, 0.0780

Previews

White Background



This preview shows how the XYZ color 23.1330, 19.2027, 33.4976 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 23.1330, 19.2027, 33.4976 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 23.1330, 19.2027, 33.4976

Background



This preview shows how black text looks on a background with the XYZ color 23.1330, 19.2027, 33.4976.



This preview shows how white text looks on a background with the XYZ color 23.1330, 19.2027,

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

23.1330, 19.2027, 33.4976

Protanopia

19.7240, 19.3645, 37.8201

Deuteranopia

19.6827, 19.2755, 32.8201



Tritanopia

20.5770, 19.1274, 21.3463

Trichromacy



Original Color

23.1330, 19.2027, 33.4976

Protanomaly

20.7045, 19.2016, 36.3332

Deuteranomaly

20.8656, 19.1838, 33.1750

Tritanomaly

21.4950, 19.1773, 25.4903

Monochromacy



Original Color

23.1330, 19.2027, 33.4976

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.7136, 19.9578, 26.0531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1330, 19.2027, 33.4976 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(146, 108, 155)` looks like.

```
.text, #text, p{  
    color:rgb(146, 108, 155)  
}
```

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(146, 108, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 108, 155) }
```

Border

The CSS property to change the border of an element to XYZ 23.1330, 19.2027, 33.4976 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(146, 108, 155) }
```


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

```
.border{ border-color:rgb(146, 108, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 108, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 108, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 108, 155);  
box-shadow:4px 4px 4px 4px rgb(146, 108,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1330, 19.2027, 33.4976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 108, 155) }
```

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

```
.background{ background-color: rgb(146,  
108, 155) }
```

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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