

Converting Colors

XYZ(23.2668, 18.4187, 30.7504)

Have a look what the booklet for
XYZ(23.2668, 18.4187, 30.7504)
contains.

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Color

**XYZ(23.3131, 18.4450,
30.7653)**

Conversions

Conversions Part 1

Format	Color
Hex	996695
RGB	153, 102, 149
RGB Percent	60%, 40%, 58%
CMY	0.4000, 0.6000, 0.4157
CMYK	0.00, 0.33, 0.03, 0.40
HSL	305°, 20%, 50%
HSV	305°, 33%, 60%
XYZ	23.3131, 18.4450, 30.7653
YIQ	122.6070, 15.3090, 25.4290

Conversions

Conversions Part 2

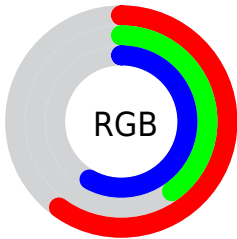
Format	Color
R _Y B	153, 102, 149
Decimal	10053269
CIE Lab	50.03, 28.37, -17.39
CIE LCh	50, 33.274, 328.487
Yxy	18.4450, 0.3215, 0.2543
Android (android.graphics.Color)	4288243349 (0xFF996695)
YUV	122.6070, 13.0117, 26.6547
Hunter-Lab	42.9476, 21.7361, -12.4087

Details

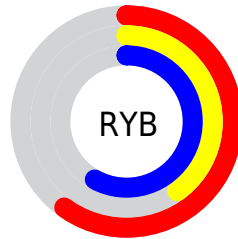
The XYZ color **23.3131, 18.4450, 30.7653** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.4731, 26.6485, 17.7541**, and the grayscale version is **18.6530, 19.6244, 21.3710**.

A 20% lighter version of the original color is **48.3475, 40.8329, 61.8333**, and **8.8906, 6.2869, 12.3002** is the 20% darker color. If you saturate the color by 10%, you get **21.8508, 15.6727, 29.8077**, and if you desaturate by 10%, it is **25.0550, 21.7744, 31.8214**.

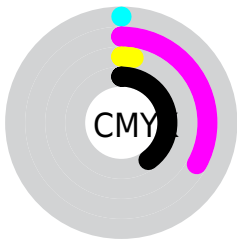
Distribution



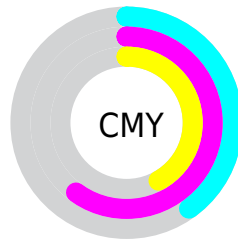
- Red (60%)
- Green (40%)
- Blue (58%)



- Red (60%)
- Yellow (40%)
- Blue (58%)



- Cyan (0%)
- Magenta (33%)
- Yellow (3%)
- Black (40%)



- Cyan (40%)
- Magenta (60%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3131, 18.4450, 30.7653 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 23.3131, 18.4450, 30.7653 by changing the saturation by 10% instead.

■ 23.3131, 18.4450,
30.7653

■ 23.3131, 18.4450,
30.7653

261.8345,
243.3675, 319.7732

■ 14.9468, 11.2699,
20.1632

■ 48.3698, 40.7941,
61.9456

■ 8.8682, 6.2487,
12.3285

■ 65.7910, 56.7370,
83.3609

■ 4.7117, 2.9969,
6.8426

■ 86.9611, 76.3713,
109.2178

■ 2.1121, 1.1301,
3.2869

■ 112.2457,
100.0814, 139.9346

■ 0.6958, 0.0035,
1.2429

142.0099,
128.2516, 175.9300

■ 0.0000, 0.0000,
0.0143

176.6192,

■ 0.0000, 0.0000,

161.2665, 217.6226

0.0000

216.4390,
199.5103, 265.4308

■ 23.3131, 18.4450,
30.7653

■ 23.3131, 18.4450,
30.7653

■ 21.8508, 15.6727,
29.8077

■ 25.0550, 21.7744,
31.8214

■ 20.6512, 13.4244,
28.9423

■ 27.0890, 25.6866,
32.9795

■ 19.6980, 11.6675,
28.1639

■ 29.4288, 30.2089,
34.2445

■ 18.9726, 10.3644,
27.4663

■ 32.0868, 35.3658,
35.6204

■ 18.4535, 9.4725,
26.8422

■ 35.0745, 41.1808,
37.1112

■ 18.1153, 8.9409,
26.2833

■ 38.4032, 47.6761,
38.7205

■ 17.9447, 8.6955,
25.9316

■ 42.0834, 54.8727,
40.4520

■ 46.1251, 62.7909,
42.3090

■ 50.5382, 71.4500,
44.2948

Harmonies

Analogous

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



20.6307, 18.4450, 39.8769



23.3131, 18.4450, 30.7653



24.4242, 18.4450, 20.5519

Triad

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



23.3131, 18.4450, 30.7653



17.6942, 18.4450, 7.1225



12.6635, 18.4450, 29.7077

Complementary

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



23.3131, 18.4450, 30.7653



19.4731, 26.6485, 17.7541

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.



12.0752, 18.4450, 19.6222



23.3131, 18.4450, 30.7653



14.7592, 18.4450, 8.2416

Square

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



23.3131, 18.4450, 30.7653



20.9456, 18.4450, 8.5010



12.7946, 18.4450, 12.2138



14.5100, 18.4450, 39.1471

Rectangle

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



23.3131, 18.4450, 30.7653



24.0332, 18.4450, 15.0012



12.7946, 18.4450, 12.2138



12.3227, 18.4450, 26.2008

Sweetspot

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



23.3137, 18.4458, 30.7657



49.7658, 48.4195, 59.7506



16.3748, 14.8311, 32.1371



10.8740, 10.4699, 13.1307



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



23.3137, 18.4458, 30.7657



39.7517, 29.2382, 53.8013



21.5334, 17.7337, 21.3908



6.4403, 6.3153, 7.6988



14.8364, 7.1888, 21.4611



0.2272, 0.1096, 0.3490

Inverse Universe

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



23.3137, 18.4458, 30.7657



39.7517, 29.2382, 53.8013



20.9614, 27.2439, 25.5918



6.4403, 6.3153, 7.6988



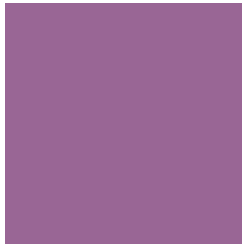
14.8364, 7.1888, 21.4611



0.2272, 0.1096, 0.3490

Previews

White Background



This preview shows how the XYZ color 23.3131, 18.4450, 30.7653 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 23.3131, 18.4450, 30.7653 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 23.3131, 18.4450, 30.7653

Background



This preview shows how black text looks on a background with the XYZ color 23.3131, 18.4450, 30.7653.



This preview shows how white text looks on a background with the XYZ color 23.3131, 18.4450,

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

23.3131, 18.4450, 30.7653

Protanopia

18.9749, 18.6559, 36.3191

Deuteranopia

18.8857, 18.5798, 29.7850



Tritanopia

20.9679, 18.3990, 19.2759

Trichromacy



Original Color

23.3131, 18.4450, 30.7653

Protanomaly

20.1922, 18.3077, 34.3678

Deuteranomaly

20.2666, 18.4408, 30.0950

Tritanomaly

21.6942, 18.3771, 23.1726

Monochromacy



Original Color

23.3131, 18.4450, 30.7653

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

20.1271, 18.9957, 24.4355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3131, 18.4450, 30.7653 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(153, 102, 149)` looks like.

```
.text, #text, p{  
    color:rgb(153, 102, 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(153, 102, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 102, 149) }
```

Border

The CSS property to change the border of an element to XYZ 23.3131, 18.4450, 30.7653 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(153, 102, 149) }
```


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

```
.border{ border-color:rgb(153, 102, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 102, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 102, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 102, 149);  
box-shadow:4px 4px 4px 4px rgb(153, 102,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3131, 18.4450, 30.7653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 102, 149) }
```

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

```
.background{ background-color: rgb(153,  
102, 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](#).

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