

Converting Colors

XYZ(23.2280, 18.8877, 31.1634)

Have a look what the booklet for
XYZ(23.2280, 18.8877, 31.1634)
contains.

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Color

**XYZ(23.1343, 18.7892,
31.2615)**

Conversions

Conversions Part 1

Format	Color
Hex	966996
RGB	150, 105, 150
RGB Percent	59%, 41%, 59%
CMY	0.4118, 0.5882, 0.4118
CMYK	0.00, 0.30, 0.00, 0.41
HSL	300°, 18%, 50%
HSV	300°, 30%, 59%
XYZ	23.1343, 18.7892, 31.2615
YIQ	123.5850, 12.3750, 23.5350

Conversions

Conversions Part 2

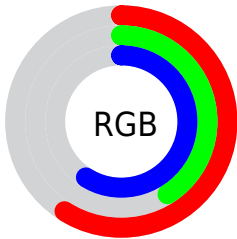
Format	Color
R_{YB}	150, 105, 150
Decimal	9857430
CIE _{Lab}	50.44, 25.81, -17.39
CIE _{LCh}	50, 31.118, 326.024
Yxy	18.7892, 0.3161, 0.2567
Android (android.graphics.Color)	4288047510 (0xFF966996)
YUV	123.5850, 13.0226, 23.1660
Hunter-Lab	43.3465, 19.4102, -12.4174

Details

The XYZ color **23.1343, 18.7892, 31.2615** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.2827, 25.8365, 17.3363**, and the grayscale version is **18.9760, 19.9643, 21.7411**.

A 20% lighter version of the original color is **48.1329, 41.4527, 62.5910**, and **8.7523, 6.4238, 12.5830** is the 20% darker color. If you saturate the color by 10%, you get **21.7394, 15.9991, 30.7967**, and if you desaturate by 10%, it is **24.7999, 22.1200, 31.8170**.

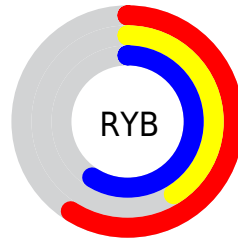
Distribution



Red (59%)

Green (41%)

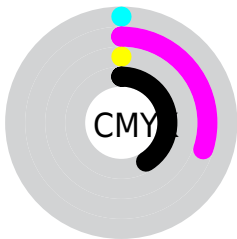
Blue (59%)



Red (59%)

Yellow (41%)

Blue (59%)

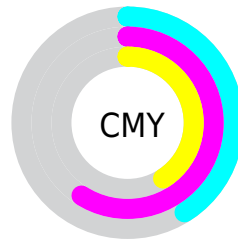


Cyan (0%)

Magenta (30%)

Yellow (0%)

Black (41%)



Cyan (41%)


Magenta (59%)


Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1343, 18.7892, 31.2615 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 23.1343, 18.7892, 31.2615 by changing the saturation by 10% instead.

 23.1343, 18.7892,
31.2615


 23.1343, 18.7892,
31.2615


260.9365,
245.2825, 322.1297


 14.8139, 11.5181,
20.5379


 48.0788, 41.3776,
62.7359


 8.7744, 6.4164,
12.5987


 65.4336, 57.4636,
84.3239

 4.6502, 3.0999,
7.0253


 86.5307, 77.2568,
110.3704

 2.0762, 1.1841,
3.3993

 111.7353,
101.1414, 141.2939

 0.6762, 0.0487,
1.3019

141.4128,
129.5019, 177.5131

 0.0000, 0.0000,
0.0634

175.9286,

 0.0000, 0.0000,

162.7226, 219.4464

0.0000

215.6481,
201.1881, 267.5124

■ 23.1343, 18.7892,
31.2615

■ 23.1343, 18.7892,
31.2615

■ 21.7394, 15.9991,
30.7967

■ 24.7999, 22.1200,
31.8170

■ 20.5992, 13.7187,
30.4165

■ 26.7475, 26.0152,
32.4663

■ 19.6989, 11.9182,
30.1163

■ 28.9900, 30.5001,
33.2138

■ 19.0214, 10.5631,
29.8904

■ 31.5389, 35.5979,
34.0636

■ 18.5472, 9.6148,
29.7323

■ 34.4051, 41.3304,
35.0191

■ 18.2537, 9.0279,
29.6343

■ 37.5991, 47.7183,
36.0838

■ 18.0829, 8.6862,
29.5773

■ 41.1307, 54.7815,
37.2611

■ 18.0828, 8.6861,
29.5773

■ 45.0095, 62.5390,
38.5541

■ 49.2445, 71.0091,
39.9659

Harmonies

Analogous

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



20.5365, 18.7892, 39.3950



23.1343, 18.7892, 31.2615



24.3184, 18.7892, 21.6361

Triad

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



23.1343, 18.7892, 31.2615



18.2652, 18.7892, 7.9261



13.1215, 18.7892, 28.6798

Complementary

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



23.1343, 18.7892, 31.2615



19.2827, 25.8365, 17.3363

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.



12.6578, 18.7892, 19.3239



23.1343, 18.7892, 31.2615



15.4242, 18.7892, 8.8359

Square

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



23.1343, 18.7892, 31.2615



21.3134, 18.7892, 9.5130



13.4529, 18.7892, 12.4839



14.7988, 18.7892, 37.6328

Rectangle

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



23.1343, 18.7892, 31.2615



24.0586, 18.7892, 16.1924



13.4529, 18.7892, 12.4839



12.8273, 18.7892, 25.4143

Sweetspot

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



23.1349, 18.7900, 31.2619



47.5076, 46.5202, 57.3965



16.3831, 15.3094, 30.9462



10.4192, 10.0912, 12.6834



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



23.1349, 18.7900, 31.2619



39.1235, 29.7522, 54.6014



21.4934, 18.1334, 22.6180



6.0353, 5.9092, 7.2922



14.9973, 7.2040, 24.5304



0.1836, 0.0882, 0.3002

Inverse Universe

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



23.1349, 18.7900, 31.2619



39.1235, 29.7522, 54.6014



20.5962, 26.3620, 24.2536



6.0353, 5.9092, 7.2922



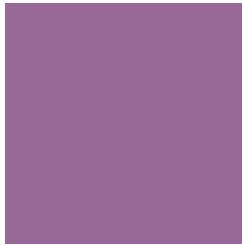
14.9973, 7.2040, 24.5304



0.1836, 0.0882, 0.3002

Previews

White Background



This preview shows how the XYZ color 23.1343, 18.7892, 31.2615 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 23.1343, 18.7892, 31.2615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

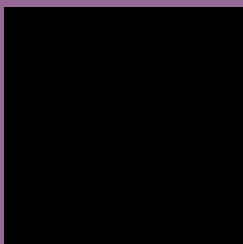
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.1343, 18.7892, 31.2615

Background



This preview shows how black text looks on a background with the XYZ color 23.1343, 18.7892, 31.2615.



This preview shows how white text looks on a background with the XYZ color 23.1343, 18.7892,

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

23.1343, 18.7892, 31.2615

Protanopia

19.2487, 18.9829, 35.9073

Deuteranopia

19.2949, 18.9465, 30.6571



Tritanopia

20.8683, 18.8118, 19.9839

Trichromacy



Original Color

23.1343, 18.7892, 31.2615

Protanomaly

20.3302, 18.7200, 33.9943

Deuteranomaly

20.5359, 18.7260, 30.9659

Tritanomaly

21.5305, 18.7520, 23.6038

Monochromacy



Original Color

23.1343, 18.7892, 31.2615

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

20.2678, 19.4026, 24.8671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1343, 18.7892, 31.2615 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(150, 105, 150)` looks like.

```
.text, #text, p{  
    color:rgb(150, 105, 150)  
}
```

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(150, 105, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 105, 150) }
```

Border

The CSS property to change the border of an element to XYZ 23.1343, 18.7892, 31.2615 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(150, 105, 150) }
```


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

```
.border{ border-color:rgb(150, 105, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 105, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 105, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 105, 150);  
box-shadow:4px 4px 4px 4px rgb(150, 105,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1343, 18.7892, 31.2615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 105, 150) }
```

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

```
.background{ background-color: rgb(150,  
105, 150) }
```

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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