

Converting Colors

XYZ(23.2590, 16.7021, 31.0993)

Have a look what the booklet for
XYZ(23.2590, 16.7021, 31.0993)
contains.

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Color

**XYZ(23.2588, 16.6482,
31.2657)**

Conversions

Conversions Part 1

Format	Color
Hex	9E5997
RGB	158, 89, 151
RGB Percent	62%, 35%, 59%
CMY	0.3804, 0.6510, 0.4078
CMYK	0.00, 0.44, 0.04, 0.38
HSL	306°, 28%, 48%
HSV	306°, 44%, 62%
XYZ	23.2588, 16.6482, 31.2657
YIQ	116.6990, 21.2220, 33.9100

Conversions

Conversions Part 2

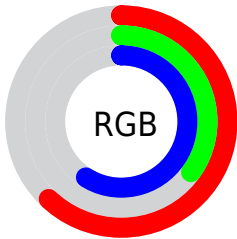
Format	Color
R_{YB}	158, 89, 151
Decimal	10377623
CIE _{Lab}	47.81, 37.68, -21.92
CIE _{LCh}	48, 43.596, 329.810
Yxy	16.6482, 0.3268, 0.2339
Android (android.graphics.Color)	4288567703 (0xFF9E5997)
YUV	116.6990, 16.9104, 36.2210
Hunter-Lab	40.8022, 30.3479, -16.8709

Details

The XYZ color **23.2588, 16.6482, 31.2657** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **18.4587, 27.4226, 15.3875**, and the grayscale version is **16.7608, 17.6337, 19.2031**.

A 20% lighter version of the original color is **48.2759, 37.7537, 62.5004**, and **8.8515, 5.3744, 12.6274** is the 20% darker color. If you saturate the color by 10%, you get **21.9533, 14.2437, 30.1927**, and if you desaturate by 10%, it is **24.8494, 19.6193, 32.4428**.

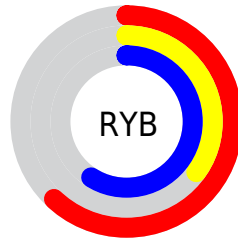
Distribution



Red (62%)

Green (35%)

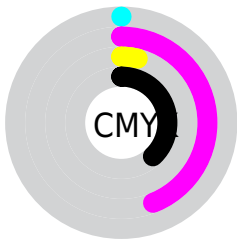
Blue (59%)



Red (62%)

Yellow (35%)

Blue (59%)

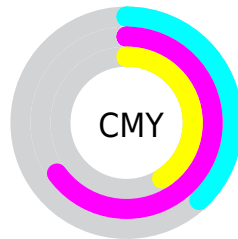


Cyan (0%)

Magenta (44%)

Yellow (4%)

Black (38%)



Cyan (38%)


Magenta (65%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2588, 16.6482, 31.2657 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 23.2588, 16.6482, 31.2657 by changing the saturation by 10% instead.


 23.2588, 16.6482,
31.2657


 23.2588, 16.6482,
31.2657


261.5621,
233.1368, 322.1496


 14.9065, 9.9840,
20.5411


 48.2815, 37.7199,
62.7426

 8.8397, 5.3883,
12.6010

 65.6825, 52.8962,
84.3320

 4.6930, 2.4769,
7.0269


 86.8305, 71.6786,
110.3801

 2.1012, 0.8650,
3.4002

 112.0908, 94.4516,
141.3054

 0.6899, 0.0000,
1.3024

141.8287,
121.5995, 177.5264

 0.0000, 0.0000,
0.0638

176.4097,

 0.0000, 0.0000,

153.5068, 219.4618

0.0000

216.1990,
190.5577, 267.5300

■ 23.2588, 16.6482,
31.2657

■ 23.2588, 16.6482,
31.2657

■ 21.9533, 14.2437,
30.1927

■ 24.8494, 19.6193,
32.4428

■ 20.9129, 12.3671,
29.2166

■ 26.7400, 23.1878,
33.7285

■ 20.1179, 10.9784,
28.3310

■ 28.9465, 27.3854,
35.1283

■ 19.5449, 10.0309,
27.5280

■ 31.4832, 32.2404,
36.6470

■ 19.1661, 9.4691,
26.7984

■ 34.3635, 37.7797,
38.2891

■ 18.9810, 9.2213,
26.3591

■ 37.6000, 44.0287,
40.0588

■ 41.2048, 51.0112,
41.9602

■ 45.1893, 58.7503,
43.9972

■ 49.5644, 67.2677,
46.1734

Harmonies

Analogous

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



19.8665, 16.6482, 43.9892



23.2588, 16.6482, 31.2657



24.6032, 16.6482, 18.1986

Triad

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



23.2588, 16.6482, 31.2657



15.8486, 16.6482, 3.9894



10.1518, 16.6482, 31.0880

Complementary

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



23.2588, 16.6482, 31.2657



18.4587, 27.4226, 15.3875

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.



9.4291, 16.6482, 18.0557



23.2588, 16.6482, 31.2657



12.3702, 16.6482, 5.1216

Square

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



23.2588, 16.6482, 31.2657



19.9168, 16.6482, 5.1524



10.1704, 16.6482, 9.3068



12.3335, 16.6482, 43.8602

Rectangle

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



23.2588, 16.6482, 31.2657



24.0105, 16.6482, 11.7611



10.1704, 16.6482, 9.3068



9.7479, 16.6482, 26.4544

Sweetspot

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



23.2593, 16.6490, 31.2660



52.7452, 50.0729, 63.9023



14.5580, 12.0956, 33.9155



11.6889, 10.9027, 14.2816



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.2593, 16.6490, 31.2660



40.0064, 26.1214, 54.9511



20.8609, 15.6896, 18.6363



6.8751, 6.7430, 8.1936



15.2100, 7.3885, 21.1544



0.2795, 0.1351, 0.4179

Inverse Universe

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



23.2593, 16.6490, 31.2660



40.0064, 26.1214, 54.9511



20.4035, 28.2005, 25.6287



6.8751, 6.7430, 8.1936



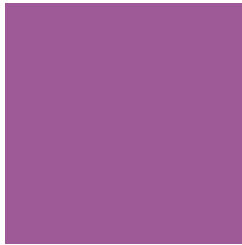
15.2100, 7.3885, 21.1544



0.2795, 0.1351, 0.4179

Previews

White Background



This preview shows how the XYZ color 23.2588, 16.6482, 31.2657 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 23.2588, 16.6482, 31.2657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

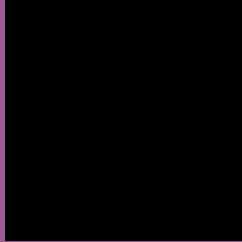
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.2588, 16.6482, 31.2657

Background



This preview shows how black text looks on a background with the XYZ color 23.2588, 16.6482, 31.2657.



This preview shows how white text looks on a background with the XYZ color 23.2588, 16.6482,

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

23.2588, 16.6482, 31.2657

Protanopia

17.6749, 16.8858, 39.8638

Deuteranopia

17.1240, 16.8207, 29.9480



Tritanopia

20.2002, 16.7366, 15.8015

Trichromacy



Original Color

23.2588, 16.6482, 31.2657

Protanomaly

18.9431, 16.3608, 36.3420

Deuteranomaly

18.8998, 16.4744, 30.2007

Tritanomaly

21.1226, 16.5581, 20.4951

Monochromacy



Original Color

23.2588, 16.6482, 31.2657

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.7359, 17.0059, 23.0639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2588, 16.6482, 31.2657 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(158, 89, 151)` looks like.

```
.text, #text, p{  
    color:rgb(158, 89, 151)  
}
```

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(158, 89, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 89, 151) }
```

Border

The CSS property to change the border of an element to XYZ 23.2588, 16.6482, 31.2657 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(158, 89, 151) }
```


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

```
.border{ border-color:rgb(158, 89, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 89, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 89, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 89, 151);  
box-shadow:4px 4px 4px 4px rgb(158, 89,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2588, 16.6482, 31.2657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 89, 151) }
```

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

```
.background{ background-color: rgb(158, 89,  
151) }
```

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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