

Converting Colors

XYZ(16.6211, 12.6261, 23.3846)

Have a look what the booklet for
XYZ(16.6211, 12.6261, 23.3846)
contains.

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Color

**XYZ(16.6182, 12.6778,
23.4010)**

Conversions

Conversions Part 1

Format	Color
Hex	835384
RGB	131, 83, 132
RGB Percent	51%, 33%, 52%
CMY	0.4863, 0.6745, 0.4824
CMYK	0.01, 0.37, 0.00, 0.48
HSL	299°, 23%, 42%
HSV	299°, 37%, 52%
XYZ	16.6182, 12.6778, 23.4010
YIQ	102.9380, 12.8790, 25.4150

Conversions

Conversions Part 2

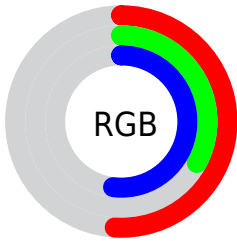
Format	Color
R_{YB}	131, 83, 132
Decimal	8606596
CIE _{Lab}	42.27, 28.41, -19.33
CIE _{LCh}	42, 34.360, 325.771
Yxy	12.6778, 0.3154, 0.2406
Android (android.graphics.Color)	4286796676 (0xFF835384)
YUV	102.9380, 14.3276, 24.6104
Hunter-Lab	35.6059, 21.0003, -14.0426

Details

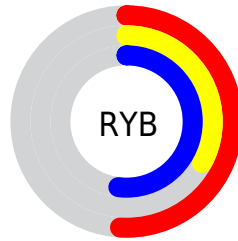
The XYZ color **16.6182, 12.6778, 23.4010** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **13.4693, 19.0122, 11.1441**, and the grayscale version is **12.8371, 13.5056, 14.7076**.

A 20% lighter version of the original color is **37.1521, 30.5921, 49.8457**, and **5.4621, 3.5764, 8.3851** is the 20% darker color. If you saturate the color by 10%, you get **15.6613, 10.8256, 23.0941**, and if you desaturate by 10%, it is **17.7683, 14.9158, 23.7725**.

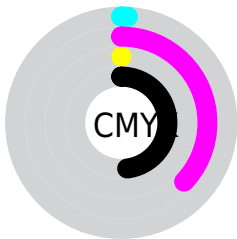
Distribution



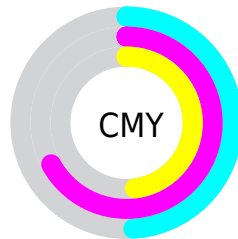
- Red (51%)
- Green (33%)
- Blue (52%)



- Red (51%)
- Yellow (33%)
- Blue (52%)



- Cyan (1%)
- Magenta (37%)
- Yellow (0%)
- Black (48%)



- Cyan (49%)
- Magenta (67%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6182, 12.6778, 23.4010 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 16.6182, 12.6778, 23.4010 by changing the saturation by 10% instead.

■ 16.6182, 12.6778,
23.4010

■ 16.6182, 12.6778,
23.4010

226.1619,
208.8423, 282.9664

■ 10.0563, 7.2071,
14.6818

■ 37.2170, 30.7237,
49.9824

■ 5.4988, 3.5919,
8.4522

■ 51.9846, 44.0677,
68.6818

■ 2.5805, 1.4480,
4.2938

■ 70.2181, 60.8048,
91.5449

■ 0.9361, 0.2517,
1.7878

■ 92.2828, 81.3196,
118.9904

■ 0.0000, 0.0000,
0.4199

■ 118.5443,
105.9963, 151.4367

■ 0.0000, 0.0000,
0.0000

149.3677,

135.2194, 189.3025

185.1184,
169.3732, 233.0062

■ 16.6182, 12.6778,
23.4010

■ 16.6182, 12.6778,
23.4010

■ 15.6613, 10.8256,
23.0941

■ 17.7683, 14.9158,
23.7725

■ 14.8855, 9.3356,
22.8474

■ 19.1205, 17.5580,
24.2113

■ 14.2790, 8.1843,
22.6571

■ 20.6846, 20.6239,
24.7206

■ 13.8285, 7.3446,
22.5188

■ 22.4694, 24.1309,
25.3035

■ 13.5183, 6.7855,
22.4272

■ 24.4831, 28.0956,
25.9626

■ 13.3180, 6.4458,
22.3722

■ 26.7336, 32.5339,
26.7007

■ 13.2649, 6.3572,
22.3579

■ 29.2285, 37.4606,
27.5201

■ 31.9748, 42.8902,
28.4234

■ 34.9795, 48.8363,
29.4127

Harmonies

Analogous

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



14.3302, 12.6778, 30.8885



16.6182, 12.6778, 23.4010



17.6848, 12.6778, 14.8750

Triad

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



16.6182, 12.6778, 23.4010



12.4183, 12.6778, 3.9497



8.1227, 12.6778, 20.9221

Complementary

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



16.6182, 12.6778, 23.4010



13.4693, 19.0122, 11.1441

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.



7.7605, 12.6778, 12.7856



16.6182, 12.6778, 23.4010



10.0253, 12.6778, 4.5749

Square

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



16.6182, 12.6778, 23.4010



15.0510, 12.6778, 5.0935



8.4063, 12.6778, 7.2719



9.4768, 12.6778, 29.1359

Rectangle

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



16.6182, 12.6778, 23.4010



17.4627, 12.6778, 10.3016



8.4063, 12.6778, 7.2719



7.8900, 12.6778, 18.0219

Sweetspot

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



16.6186, 12.6784, 23.4013



35.2524, 34.0075, 43.1593



10.9524, 9.9451, 23.1723



8.1345, 7.7746, 10.0246



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.6186, 12.6784, 23.4013



27.7588, 19.4003, 40.7347



15.3769, 12.1997, 16.0505



4.8487, 4.7581, 5.8636



12.8442, 6.1556, 21.6479



0.0452, 0.0217, 0.0750

Inverse Universe

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



14.2097, 11.7328, 9.9039



22.8518, 17.4767, 13.1236



14.4136, 19.3797, 16.5809



4.6761, 4.6901, 4.9069



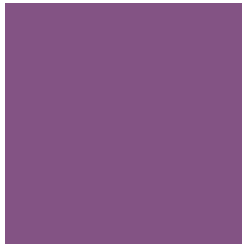
9.2281, 4.7556, 0.5077



0.0322, 0.0166, 0.0030

Previews

White Background



This preview shows how the XYZ color 16.6182, 12.6778, 23.4010 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

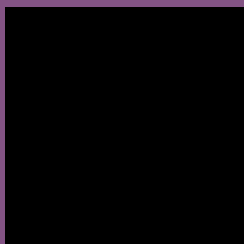
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6182, 12.6778, 23.4010

Background



This preview shows how black text looks on a background with the XYZ color 16.6182, 12.6778, 23.4010.



This preview shows how white text looks on a background with the XYZ color 16.6182, 12.6778,

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

16.6182, 12.6778, 23.4010

Protanopia

13.3336, 12.9157, 28.1758

Deuteranopia

12.9462, 12.7000, 22.5379



Tritanopia

14.4180, 12.6110, 12.9835

Trichromacy



Original Color

16.6182, 12.6778, 23.4010

Protanomaly

14.1275, 12.5469, 26.4881

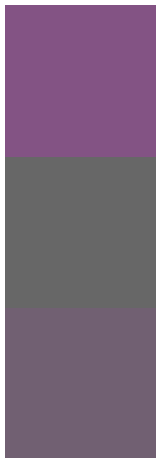
Deuteranomaly

14.0070, 12.5662, 22.8064

Tritanomaly

15.1248, 12.5314, 16.3735

Monochromacy



Original Color

16.6182, 12.6778, 23.4010

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.0302, 13.0914, 17.7070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6182, 12.6778, 23.4010 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(131, 83, 132)` looks like.

```
.text, #text, p{  
    color:rgb(131, 83, 132)  
}
```

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(131, 83, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 83, 132) }
```

Border

The CSS property to change the border of an element to XYZ 16.6182, 12.6778, 23.4010 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(131, 83, 132) }
```


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

```
.border{ border-color:rgb(131, 83, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 83, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 83, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 83, 132); box-shadow:4px 4px 4px 4px rgb(131, 83, 132) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6182, 12.6778, 23.4010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 83, 132) }
```

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

```
.background{ background-color: rgb(131, 83,  
132) }
```

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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