

Converting Colors

XYZ(16.5789, 12.8797, 19.3338)

Have a look what the booklet for
XYZ(16.5789, 12.8797, 19.3338)
contains.

XYZ(16.5522, 12.8476, 19.3767)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.5522, 12.8476,
19.3767)**

Conversions

Conversions Part 1

Format	Color
Hex	875478
RGB	135, 84, 120
RGB Percent	53%, 33%, 47%
CMY	0.4706, 0.6706, 0.5294
CMYK	0.00, 0.38, 0.11, 0.47
HSL	318°, 23%, 43%
HSV	318°, 38%, 53%
XYZ	16.5522, 12.8476, 19.3767
YIQ	103.3530, 18.8400, 22.0080

Conversions

Conversions Part 2

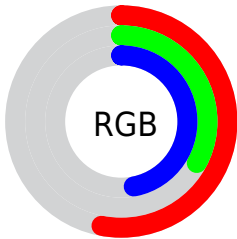
Format	Color
R _Y B	135, 84, 120
Decimal	8868984
CIE Lab	42.53, 26.92, -11.58
CIE LCh	43, 29.305, 336.730
Yxy	12.8476, 0.3393, 0.2634
Android (android.graphics.Color)	4287059064 (0xFF875478)
YUV	103.3530, 8.2070, 27.7544
Hunter-Lab	35.8435, 19.7033, -6.9612

Details

The XYZ color **16.5522, 12.8476, 19.3767** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **14.5729, 20.1141, 14.9196**, and the grayscale version is **12.9614, 13.6364, 14.8500**.

A 20% lighter version of the original color is **37.0966, 31.1253, 43.0823**, and **5.4551, 3.6629, 6.3807** is the 20% darker color. If you saturate the color by 10%, you get **15.3677, 10.8561, 17.8175**, and if you desaturate by 10%, it is **17.9495, 15.2482, 21.0564**.

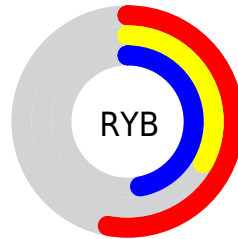
Distribution



Red (53%)

Green (33%)

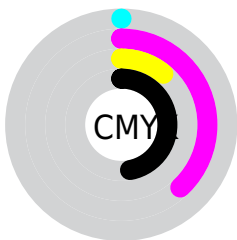
Blue (47%)



Red (53%)

Yellow (33%)

Blue (47%)

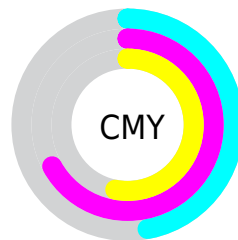


Cyan (0%)

Magenta (38%)

Yellow (11%)

Black (47%)



Cyan (47%)

Magenta (67%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5522, 12.8476, 19.3767 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 16.5522, 12.8476, 19.3767 by changing the saturation by 10% instead.

■ 16.5522, 12.8476,
19.3767

■ 16.5522, 12.8476,
19.3767

225.7854,
209.9386, 261.0122

■ 10.0091, 7.3237,
11.7632

■ 37.1040, 31.0297,
43.2148

■ 5.4673, 3.6653,
6.4621

■ 51.8433, 44.4567,
60.2765

■ 2.5615, 1.4882,
3.0547

■ 70.0455, 61.2869,
81.3248

■ 0.9264, 0.2804,
1.1227

■ 92.0758, 81.9045,
106.7780

■ 0.0000, 0.0000,
0.0000

■ 118.2995,
106.6942, 137.0548

149.0821,

136.0401, 172.5738

184.7890,
170.3268, 213.7534

■ 16.5522, 12.8476,
19.3767

■ 16.5522, 12.8476,
19.3767

■ 15.3677, 10.8561,
17.8175

■ 17.9495, 15.2482,
21.0564

■ 14.3830, 9.2487,
16.3734

■ 19.5691, 18.0776,
22.8601

■ 13.5855, 8.0001,
15.0400

■ 21.4217, 21.3564,
24.7918

■ 12.9608, 7.0815,
13.8116

■ 23.5165, 25.1032,
26.8554

■ 12.4920, 6.4596,
12.6820

■ 25.8626, 29.3358,
29.0542

■ 12.1438, 6.0639,
11.6390

■ 28.4684, 34.0709,
31.3918

■ 12.0707, 5.9825,
11.4147

■ 31.3419, 39.3243,
33.8713

■ 34.4908, 45.1114,
36.4957

■ 37.9226, 51.4466,
39.2681

Harmonies

Analogous

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



14.9369, 12.8476, 26.2052



16.5522, 12.8476, 19.3767



16.9433, 12.8476, 12.6088

Triad

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



16.5522, 12.8476, 19.3767



11.7194, 12.8476, 5.0411



9.1085, 12.8476, 22.6158

Complementary

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



16.5522, 12.8476, 19.3767



14.5729, 20.1141, 14.9196

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.



8.4542, 12.8476, 15.4661



16.5522, 12.8476, 19.3767



9.8392, 12.8476, 6.3186

Square

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



16.5522, 12.8476, 19.3767



13.9706, 12.8476, 5.5146



8.7045, 12.8476, 9.7056



10.6062, 12.8476, 28.4359

Rectangle

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



16.5522, 12.8476, 19.3767



16.4196, 12.8476, 9.1923



8.7045, 12.8476, 9.7056



8.7915, 12.8476, 20.2172

Sweetspot

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



16.5526, 12.8482, 19.3770



37.1619, 36.1136, 43.1698



12.6298, 10.7123, 24.3241



8.5164, 8.2043, 9.9045



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.5526, 12.8482, 19.3770



27.8687, 20.0204, 32.3857



15.2304, 12.3193, 12.4142



4.8011, 4.7401, 5.5647



11.1365, 5.5189, 10.5570



0.0418, 0.0204, 0.0534

Inverse Universe

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



16.5526, 12.8482, 19.3770



27.8687, 20.0204, 32.3857



15.9556, 20.6672, 22.2009



4.8011, 4.7401, 5.5647



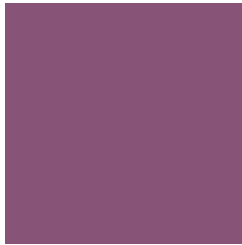
11.1365, 5.5189, 10.5570



0.0418, 0.0204, 0.0534

Previews

White Background



This preview shows how the XYZ color 16.5522, 12.8476, 19.3767 looks on a white background.

Color Contrast Check

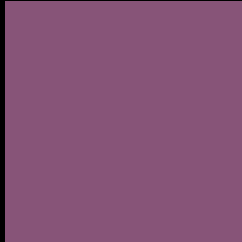
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5522, 12.8476, 19.3767 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 16.5522, 12.8476, 19.3767

Background



This preview shows how black text looks on a background with the XYZ color 16.5522, 12.8476, 19.3767.



This preview shows how white text looks on a background with the XYZ color 16.5522, 12.8476,

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

16.5522, 12.8476, 19.3767

Protanopia

13.1681, 13.0802, 23.3034

Deuteranopia

13.1721, 12.9033, 18.6260



Tritanopia

15.1537, 12.8765, 12.5132

Trichromacy



Original Color

16.5522, 12.8476, 19.3767

Protanomaly

14.0178, 12.7259, 21.7962

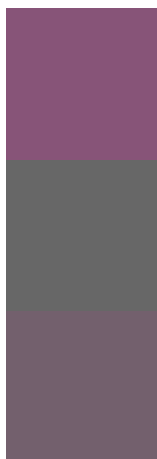
Deuteranomaly

14.2546, 12.7815, 18.8553

Tritanomaly

15.5798, 12.8024, 14.7467

Monochromacy



Original Color

16.5522, 12.8476, 19.3767

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.0134, 13.1147, 16.2608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5522, 12.8476, 19.3767 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(135, 84, 120)` looks like.

```
.text, #text, p{  
  color:rgb(135, 84, 120)  
}
```

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(135, 84, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 84, 120) }
```

Border

The CSS property to change the border of an element to XYZ 16.5522, 12.8476, 19.3767 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(135, 84, 120) }
```


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

```
.border{ border-color:rgb(135, 84, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 84, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 84, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 84, 120);  
box-shadow:4px 4px 4px 4px rgb(135, 84,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5522, 12.8476, 19.3767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 84, 120) }
```

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

```
.background{ background-color: rgb(135, 84,  
120) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor