

Converting Colors

XYZ(19.9185, 16.0494, 44.8241)

Have a look what the booklet for
XYZ(19.9185, 16.0494, 44.8241)
contains.

XYZ(19.8963, 16.0820, 44.7033)	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(19.8963, 16.0820,
44.7033)**

Conversions

Conversions Part 1

Format	Color
Hex	7464B3
RGB	116, 100, 179
RGB Percent	45%, 39%, 70%
CMY	0.5451, 0.6078, 0.2980
CMYK	0.35, 0.44, 0.00, 0.30
HSL	252°, 34%, 55%
HSV	252°, 44%, 70%
XYZ	19.8963, 16.0820, 44.7033
YIQ	113.7900, -15.8230, 27.9610

Conversions

Conversions Part 2

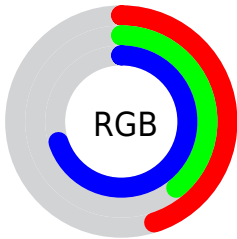
Format	Color
R _Y B	116, 100, 179
Decimal	7627955
CIE Lab	47.08, 24.98, -39.89
CIE LCh	47, 47.060, 302.054
Yxy	16.0820, 0.2466, 0.1993
Android (android.graphics.Color)	4285818035 (0xFF7464B3)
YUV	113.7900, 32.1485, 1.9382
Hunter-Lab	40.1024, 18.3814, -38.0207

Details

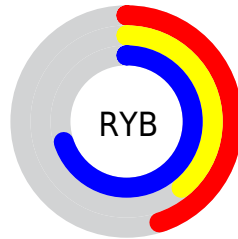
The XYZ color **19.8963, 16.0820, 44.7033** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **33.5247, 40.9471, 18.1937**, and the grayscale version is **15.8421, 16.6671, 18.1505**.

A 20% lighter version of the original color is **42.6396, 36.6774, 83.4294**, and **7.1534, 5.1426, 20.3543** is the 20% darker color. If you saturate the color by 10%, you get **16.6105, 12.1136, 44.1108**, and if you desaturate by 10%, it is **23.8521, 20.9563, 45.4359**.

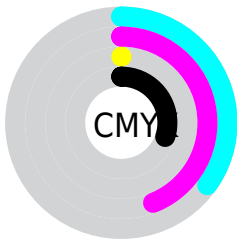
Distribution



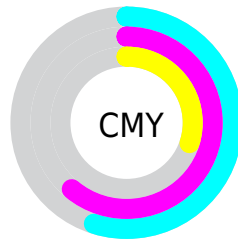
- Red (45%)
- Green (39%)
- Blue (70%)



- Red (45%)
- Yellow (39%)
- Blue (70%)



- Cyan (35%)
- Magenta (44%)
- Yellow (0%)
- Black (30%)



- Cyan (55%)
- Magenta (61%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8963, 16.0820, 44.7033 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 19.8963, 16.0820, 44.7033 by changing the saturation by 10% instead.

■ 19.8963, 16.0820,
44.7033

■ 19.8963, 16.0820,
44.7033

244.1974,
229.8251, 381.6956

■ 12.4275, 9.5822,
30.8825

■ 42.7485, 36.7405,
83.5887

■ 7.1098, 5.1228,
20.2517

■ 58.8627, 51.6680,
109.4905

■ 3.5778, 2.3195,
12.3923

■ 78.5893, 70.1735,
140.2563

■ 1.4662, 0.7840,
6.8856

■ 102.2938, 92.6414,
176.3048

■ 0.3026, 0.0000,
3.3133

130.3415,
119.4561, 218.0544

■ 0.0000, 0.0000,
1.2568

163.0978,

■ 0.0000, 0.0000,

151.0021, 265.9237

0.0260

200.9280,
187.6636, 320.3313

■ 0.0000, 0.0000,
0.0000

■ 19.8963, 16.0820,
44.7033

■ 19.8963, 16.0820,
44.7033

■ 16.6105, 12.1136,
44.1108

■ 23.8521, 20.9563,
45.4359

■ 13.9545, 8.9924,
43.6483

■ 28.5112, 26.7864,
46.3157

■ 11.8868, 6.6558,
43.3063

■ 33.9068, 33.6208,
47.3505

■ 10.3596, 5.0313,
43.0732

■ 40.0695, 41.5042,
48.5473

■ 9.3168, 4.0323,
42.9354

■ 47.0280, 50.4785,
49.9128

■ 8.8733, 3.6344,
42.8819

■ 54.8095, 60.5832,
51.4531

■ 63.4402, 71.8561,
53.1741

■ 72.9448, 84.3329,
55.0814

■ 81.3693, 94.0925,
56.5212

Harmonies

Analogous

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



15.5717, 16.0820, 51.4635



19.8963, 16.0820, 44.7033



23.4231, 16.0820, 30.4684

Triad

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



19.8963, 16.0820, 44.7033



19.3146, 16.0820, 4.1284



8.6468, 16.0820, 18.3380

Complementary

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



19.8963, 16.0820, 44.7033



33.5247, 40.9471, 18.1937

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.



9.2917, 16.0820, 8.8725



19.8963, 16.0820, 44.7033



15.0027, 16.0820, 3.2019

Square

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



19.8963, 16.0820, 44.7033



23.0470, 16.0820, 8.0055



11.4484, 16.0820, 4.4472



9.4973, 16.0820, 32.5559

Rectangle

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



19.8963, 16.0820, 44.7033



24.5702, 16.0820, 20.8443



11.4484, 16.0820, 4.4472



8.6955, 16.0820, 14.5527

Sweetspot

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



19.8969, 16.0826, 44.7037



61.6764, 61.4244, 84.9866



26.5254, 32.2299, 47.4711



13.1635, 12.9710, 18.7321



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.8969, 16.0826, 44.7037



29.8754, 21.8461, 79.0233



26.2695, 19.3678, 45.0019



8.1974, 8.3103, 10.6783



6.3145, 2.5911, 30.3043



0.2456, 0.1057, 0.9557

Inverse Universe

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



29.7587, 21.3428, 37.2013



50.0499, 32.6268, 62.7807



26.6897, 37.4234, 17.8738



8.7748, 8.6166, 10.3125



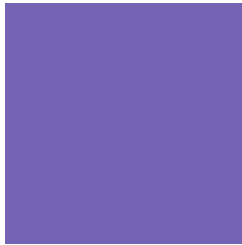
16.6504, 8.1777, 19.1166



0.5426, 0.2648, 0.7001

Previews

White Background



This preview shows how the XYZ color 19.8963, 16.0820, 44.7033 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 19.8963, 16.0820, 44.7033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

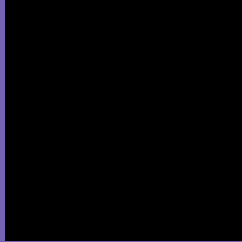
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.8963, 16.0820, 44.7033

Background



This preview shows how black text looks on a background with the XYZ color 19.8963, 16.0820, 44.7033.



This preview shows how white text looks on a background with the XYZ color 19.8963, 16.0820,

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

19.8963, 16.0820, 44.7033

Protanopia

17.6627, 16.1874, 49.2073

Deuteranopia

16.6111, 16.2594, 43.3372



Tritanopia

15.1269, 16.1585, 20.7340

Trichromacy



Original Color

19.8963, 16.0820, 44.7033

Protanomaly

18.2194, 16.0441, 47.4839

Deuteranomaly

17.6128, 16.1236, 43.7788

Tritanomaly

16.5048, 15.8964, 28.1850

Monochromacy



Original Color

19.8963, 16.0820, 44.7033

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.1263, 16.4171, 26.3109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8963, 16.0820, 44.7033 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(116, 100, 179)` looks like.

```
.text, #text, p{  
    color:rgb(116, 100, 179)  
}
```

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(116, 100, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 100, 179) }
```

Border

The CSS property to change the border of an element to XYZ 19.8963, 16.0820, 44.7033 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(116, 100, 179) }
```


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

```
.border{ border-color:rgb(116, 100, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 100, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 100, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 100, 179);  
box-shadow:4px 4px 4px 4px rgb(116, 100,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8963, 16.0820, 44.7033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 100, 179) }
```

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

```
.background{ background-color: rgb(116,  
100, 179) }
```

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