

# Converting Colors

XYZ(18.7591, 16.2334, 26.4261)

Have a look what the booklet for  
XYZ(18.7591, 16.2334, 26.4261)  
contains.

<b>XYZ(18.7716, 16.1921, 26.5621)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(18.7716, 16.1921,  
26.5621)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	83668B
RGB	131, 102, 139
RGB Percent	51%, 40%, 55%
CMY	0.4863, 0.6000, 0.4549
CMYK	0.06, 0.27, 0.00, 0.45
HSL	287°, 15%, 47%
HSV	287°, 27%, 55%
XYZ	18.7716, 16.1921, 26.5621
YIQ	114.8890, 5.4070, 17.6550

# Conversions

## Conversions Part 2

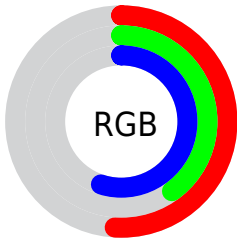
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	131, 102, 139
Decimal	8611467
CIE <sub>Lab</sub>	47.23, 18.65, -15.96
CIE <sub>LCh</sub>	47, 24.548, 319.453
Yxy	16.1921, 0.3051, 0.2632
Android (android.graphics.Color)	4286801547 (0xFF83668B)
YUV	114.8890, 11.8867, 14.1293
Hunter-Lab	40.2394, 12.8509, -10.9698

# Details

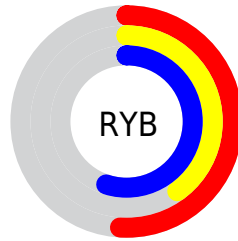
The XYZ color **18.7716, 16.1921, 26.5621** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **18.0619, 22.7400, 16.0084**, and the grayscale version is **16.2265, 17.0715, 18.5909**.

A 20% lighter version of the original color is **40.7840, 36.8231, 55.4101**, and **6.5627, 5.2030, 10.1096** is the 20% darker color. If you saturate the color by 10%, you get **17.0598, 13.4493, 26.1232**, and if you desaturate by 10%, it is **20.7270, 19.4014, 27.0787**.

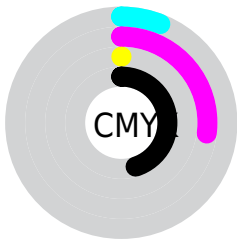
# Distribution



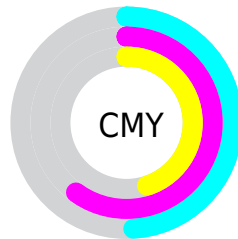
- Red (51%)
- Green (40%)
- Blue (55%)



- Red (51%)
- Yellow (40%)
- Blue (55%)



- Cyan (6%)
- Magenta (27%)
- Yellow (0%)
- Black (45%)



- Cyan (49%)
- Magenta (60%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7716, 16.1921, 26.5621 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 18.7716, 16.1921, 26.5621 by changing the saturation by 10% instead.



■ 18.7716, 16.1921,  
26.5621

■ 18.7716, 16.1921,  
26.5621

238.1473,  
230.4726, 299.2234

■ 11.6084, 9.6602,  
17.0151

■ 40.8677, 36.9314,  
55.1755

■ 6.5479, 5.1742,  
10.0832

■ 56.5312, 51.9075,  
75.0791

■ 3.2248, 2.3499,  
5.3478

■ 75.7589, 70.4672,  
99.2718

■ 1.2737, 0.7999,  
2.3905

■ 98.9162, 92.9949,  
128.1724

■ 0.1634, 0.0000,  
0.7812

126.3683,  
119.8748, 162.1993

■ 0.0000, 0.0000,  
0.0000

158.4806,

151.4915, 201.7711

195.6185,  
188.2293, 247.3063

■ 18.7716, 16.1921,  
26.5621

■ 18.7716, 16.1921,  
26.5621

■ 17.0598, 13.4493,  
26.1232

■ 20.7270, 19.4014,  
27.0787

■ 15.5785, 11.1480,  
25.7570

■ 22.9352, 23.0964,  
27.6756

■ 14.3158, 9.2641,  
25.4599

■ 25.4068, 27.2978,  
28.3562

■ 13.2579, 7.7701,  
25.2273

■ 28.1512, 32.0244,  
29.1239

■ 12.3893, 6.6356,  
25.0541

■ 31.1775, 37.2940,  
29.9816

■ 11.6923, 5.8251,  
24.9344

■ 34.4944, 43.1238,  
30.9320

■ 11.1370, 5.2787,  
24.8582

■ 38.1099, 49.5300,  
31.9780

■ 10.9602, 5.1118,  
24.8353

■ 42.0320, 56.5281,  
33.1220

■ 46.2682, 64.1332,  
34.3667

# Harmonies

## Analogous

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



16.8171, 16.1921, 31.4148



18.7716, 16.1921, 26.5621



19.8515, 16.1921, 19.9017

# Triad

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



18.7716, 16.1921, 26.5621



16.1640, 16.1921, 8.3219



11.7923, 16.1921, 21.9021

# Complementary

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



18.7716, 16.1921, 26.5621



18.0619, 22.7400, 16.0084

# 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.



11.6528, 16.1921, 15.5389



18.7716, 16.1921, 26.5621



14.0462, 16.1921, 8.6155

# Square

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



18.7716, 16.1921, 26.5621



18.2551, 16.1921, 10.0401



12.4412, 16.1921, 10.9658



12.8417, 16.1921, 28.3182



# Rectangle

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



18.7716, 16.1921, 26.5621



19.8679, 16.1921, 15.7457



12.4412, 16.1921, 10.9658



11.6414, 16.1921, 19.6599

# Sweetspot

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



18.7721, 16.1928, 26.5625



40.4263, 40.2722, 49.3856



15.7181, 15.8451, 26.6563



9.1858, 9.0621, 11.3445



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021



# Same Dimension

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



18.7721, 16.1928, 26.5625



31.7027, 25.9148, 47.0741



19.3297, 16.5645, 22.7798



5.1298, 5.0754, 6.3151



9.9067, 4.6212, 22.4155



0.0780, 0.0370, 0.1495



# Inverse Universe

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



18.2139, 16.1182, 16.9038



30.5834, 25.7914, 26.5254



17.6643, 22.4711, 18.8777



5.0743, 5.0651, 5.4796



9.8276, 5.0411, 1.5963

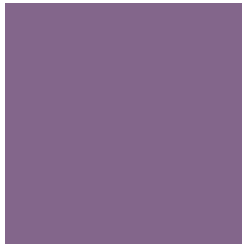


0.0699, 0.0353, 0.0348



# Previews

## White Background



This preview shows how the XYZ color 18.7716, 16.1921, 26.5621 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 18.7716, 16.1921, 26.5621 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

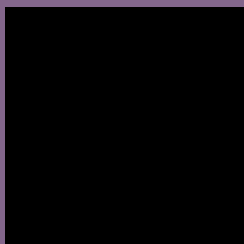
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# XYZ 18.7716, 16.1921, 26.5621

## Background



This preview shows how black text looks on a background with the XYZ color 18.7716, 16.1921, 26.5621.



This preview shows how white text looks on a background with the XYZ color 18.7716, 16.1921,



# 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

18.7716, 16.1921, 26.5621

### Protanopia

16.3888, 16.2968, 29.0699

### Deuteranopia

16.5217, 16.2730, 25.9371



## Tritanopia

17.1046, 16.2652, 18.4576

# Trichromacy



## Original Color

18.7716, 16.1921, 26.5621

## Protanomaly

17.1305, 16.2190, 28.2143

## Deuteranomaly

17.3164, 16.2019, 26.2594

## Tritanomaly

17.5918, 16.1476, 21.2584

# Monochromacy



## Original Color

18.7716, 16.1921, 26.5621

## Achromatopsia

16.2955, 17.1441, 18.6699

## Achromatomaly

17.0992, 16.6720, 21.3856

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 18.7716, 16.1921, 26.5621 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, 102, 139)` looks like.

```
.text, #text, p{  
    color:rgb(131, 102, 139)  
}
```

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, 102, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 102, 139) }
```

## Border

The CSS property to change the border of an element to XYZ 18.7716, 16.1921, 26.5621 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, 102, 139) }
```



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

```
.border{ border-color:rgb(131, 102, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 102, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 102, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 102, 139);  
box-shadow:4px 4px 4px 4px rgb(131, 102,  
139) }
```

# Background

The CSS property to change the background color of an element to XYZ 18.7716, 16.1921, 26.5621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 102, 139) }
```

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

```
.background{ background-color: rgb(131,  
102, 139) }
```

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