

# Converting Colors

XYZ(17.0462, 16.5267, 26.7176)

Have a look what the booklet for  
XYZ(17.0462, 16.5267, 26.7176)  
contains.

<b>XYZ(17.0462, 16.5267, 26.7176)</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(17.0462, 16.5267,  
26.7176)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	716E8B
RGB	113, 110, 139
RGB Percent	44%, 43%, 55%
CMY	0.5569, 0.5686, 0.4549
CMYK	0.19, 0.21, 0.00, 0.45
HSL	246°, 12%, 49%
HSV	246°, 21%, 55%
XYZ	17.0462, 16.5267, 26.7176
YIQ	114.2030, -7.5210, 9.6550

# Conversions

## Conversions Part 2

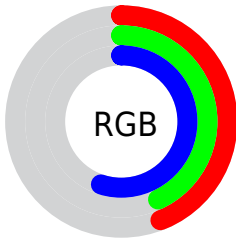
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	113, 110, 139
Decimal	7433867
CIE Lab	47.66, 7.58, -15.46
CIE LCh	48, 17.214, 296.124
Yxy	16.5267, 0.2827, 0.2741
Android (android.graphics.Color)	4285623947 (0xFF716E8B)
YUV	114.2030, 12.2249, -1.0550
Hunter-Lab	40.6530, 3.7039, -10.5089

# Details

The XYZ color **17.0462, 16.5267, 26.7176** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.2010, 24.8257, 18.3744**, and the grayscale version is **16.0217, 16.8560, 18.3562**.

A 20% lighter version of the original color is **38.0630, 37.6902, 55.7209**, and **5.7607, 5.4001, 10.1899** is the 20% darker color. If you saturate the color by 10%, you get **14.1678, 12.9888, 26.1867**, and if you desaturate by 10%, it is **20.3811, 20.6501, 27.3380**.

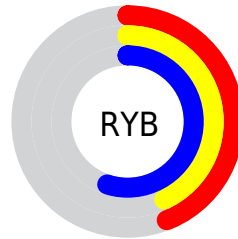
# Distribution



Red (44%)

Green (43%)

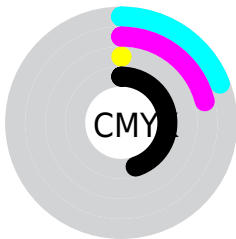
Blue (55%)



Red (44%)

Yellow (43%)

Blue (55%)

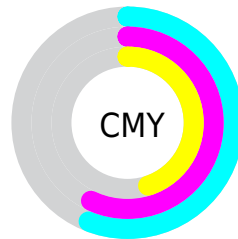


Cyan (19%)

Magenta (21%)

Yellow (0%)

Black (45%)



Cyan (56%)

Magenta (57%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0462, 16.5267, 26.7176 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 17.0462, 16.5267, 26.7176 by changing the saturation by 10% instead.



■ 17.0462, 16.5267,  
26.7176

■ 17.0462, 16.5267,  
26.7176

228.5895,  
232.4299, 300.0040

■ 10.3629, 9.8976,  
17.1307

■ 37.9482, 37.5102,  
55.4286

■ 5.7044, 5.3311,  
10.1648

■ 52.8976, 52.6334,  
75.3897

■ 2.7051, 2.4428,  
5.4013

■ 71.3331, 71.3568,  
99.6461

■ 0.9998, 0.8478,  
2.4218

■ 93.6200, 94.0647,  
128.6161

■ 0.0000, 0.0000,  
0.7983

120.1238,  
121.1416, 162.7183

■ 0.0000, 0.0000,  
0.0000

151.2097,

152.9718, 202.3714

187.2432,  
189.9398, 247.9937

■ 17.0462, 16.5267,  
26.7176

■ 17.0462, 16.5267,  
26.7176

■ 14.1678, 12.9888,  
26.1867

■ 20.3811, 20.6501,  
27.3380

■ 11.7246, 10.0077,  
25.7401

■ 24.1896, 25.3816,  
28.0505

■ 9.6956, 7.5558,  
25.3737

■ 28.4898, 30.7453,  
28.8592

■ 8.0578, 5.6018,  
25.0829

■ 33.2984, 36.7634,  
29.7674

■ 6.7857, 4.1115,  
24.8623

■ 38.6313, 43.4568,  
30.7782

■ 5.8508, 3.0462,  
24.7059

■ 44.5037, 50.8457,  
31.8949

■ 5.2204, 2.3609,  
24.6069

■ 50.9302, 58.9493,  
33.1204

■ 4.8472, 1.9605,  
24.5493

■ 57.9248, 67.7862,  
34.4574

■ 65.5011, 77.3741,  
35.9088

# Harmonies

## Analogous

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



15.5091, 16.5267, 27.8333



17.0462, 16.5267, 26.7176



18.2928, 16.5267, 23.1389

# Triad

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



17.0462, 16.5267, 26.7176



17.4143, 16.5267, 11.8407



12.9392, 16.5267, 17.4285

# Complementary

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



17.0462, 16.5267, 26.7176



22.2010, 24.8257, 18.3744

# 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.



13.3792, 16.5267, 13.6759



17.0462, 16.5267, 26.7176



15.9088, 16.5267, 10.8001

# Square

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



17.0462, 16.5267, 26.7176



18.5149, 16.5267, 14.5181



14.4420, 16.5267, 11.4130



13.2004, 16.5267, 21.9864



# Rectangle

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



17.0462, 16.5267, 26.7176



18.7567, 16.5267, 20.1027



14.4420, 16.5267, 11.4130



13.0092, 16.5267, 16.0396

# Sweetspot

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



17.0467, 16.5274, 26.7180



39.6177, 40.8507, 49.5399



19.9094, 22.8160, 27.7809



9.0424, 9.3055, 11.3990



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.



17.0467, 16.5274, 26.7180



28.0141, 26.5030, 47.3820



19.0488, 17.5595, 26.8117



4.8196, 4.9154, 6.3006



4.3827, 1.7735, 22.1570



0.0345, 0.0146, 0.1474



# Inverse Universe

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



20.6679, 18.4191, 25.7592



35.7151, 30.5276, 45.2762



20.0171, 23.6998, 18.2722



5.2119, 5.1202, 6.2046



12.9329, 6.2833, 17.9487



0.0889, 0.0429, 0.1349



# Previews

## White Background



This preview shows how the XYZ color 17.0462, 16.5267, 26.7176 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 17.0462, 16.5267, 26.7176 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

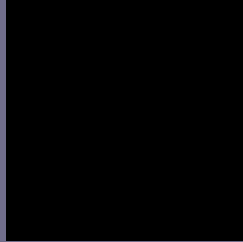
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 17.0462, 16.5267, 26.7176**

## **Background**



This preview shows how black text looks on a background with the XYZ color 17.0462, 16.5267, 26.7176.



This preview shows how white text looks on a background with the XYZ color 17.0462, 16.5267,



# 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

17.0462, 16.5267, 26.7176

### Protanopia

16.4717, 16.5460, 27.1365

### Deuteranopia

16.9002, 16.6125, 26.7419



## Tritanopia

15.8484, 16.5304, 20.7677

# Trichromacy



## Original Color

17.0462, 16.5267, 26.7176

## Protanomaly

16.7247, 16.5135, 27.1169

## Deuteranomaly

17.0267, 16.6777, 26.7478

## Tritanomaly

16.2460, 16.5264, 22.7557

# Monochromacy



## Original Color

17.0462, 16.5267, 26.7176

## Achromatopsia

15.9940, 16.8269, 18.3245

## Achromatomaly

16.4197, 16.8177, 21.1196

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 17.0462, 16.5267, 26.7176 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(113, 110, 139)` looks like.

```
.text, #text, p{  
    color:rgb(113, 110, 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(113, 110, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 110, 139) }
```

## Border

The CSS property to change the border of an element to XYZ 17.0462, 16.5267, 26.7176 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(113, 110, 139) }
```



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

```
.border{ border-color:rgb(113, 110, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 110, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 110, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 110, 139);  
box-shadow:4px 4px 4px 4px rgb(113, 110,  
139) }
```

# Background

The CSS property to change the background color of an element to XYZ 17.0462, 16.5267, 26.7176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 110, 139) }
```

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

```
.background{ background-color: rgb(113,  
110, 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