

Converting Colors

XYZ(11.3500, 3.3654, 15.2445)

Have a look what the booklet for
XYZ(11.3500, 3.3654, 15.2445)
contains.

XYZ(12.7561, 6.2382, 15.8610)	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(12.7561, 6.2382,
15.8610)**

Conversions

Conversions Part 1

Format	Color
Hex	860070
RGB	134, 0, 112
RGB Percent	53%, 0%, 44%
CMY	0.4745, 0.9999, 0.5608
CMYK	0.00, 1.00, 0.16, 0.47
HSL	310°, 100%, 26%
HSV	310°, 100%, 53%
XYZ	12.7561, 6.2382, 15.8610
YIQ	52.8340, 43.9120, 63.2400

Conversions

Conversions Part 2

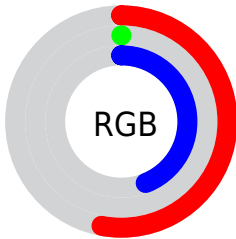
Format	Color
R_{YB}	134, 0, 112
Decimal	8781936
CIE _{Lab}	30.01, 57.69, -25.91
CIE _{LCh}	30, 63.246, 335.813
Yxy	6.2382, 0.3660, 0.1790
Android (android.graphics.Color)	4286972016 (0xFF860070)
YUV	52.8340, 29.1688, 71.1826
Hunter-Lab	24.9764, 47.4560, -20.1680

Details

The XYZ color **12.7561, 6.2382, 15.8610** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **8.6703, 17.1083, 3.6051**, and the grayscale version is **3.3271, 3.5004, 3.8119**.

A 20% lighter version of the original color is **30.5692, 18.5218, 37.0858**, and **4.2337, 2.0756, 5.0280** is the 20% darker color. If you saturate the color by 10%, you get **12.7560, 6.2381, 15.8603**, and if you desaturate by 10%, it is **13.0295, 6.5864, 16.5640**.

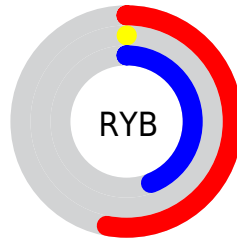
Distribution



Red (53%)

Green (0%)

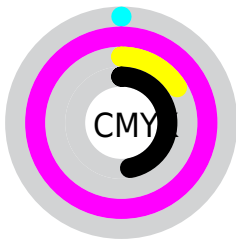
Blue (44%)



Red (53%)

Yellow (0%)

Blue (44%)

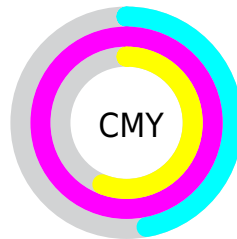


Cyan (0%)

Magenta (100%)

Yellow (16%)

Black (47%)



Cyan (47%)

Magenta (100%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7561, 6.2382, 15.8610 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 12.7561, 6.2382, 15.8610 by changing the saturation by 10% instead.

12.7561, 6.2382,
15.8610

12.7561, 6.2382,
15.8610

203.0179,
161.1747, 240.3377

7.3366, 2.9905,
9.2726

30.4700, 18.4234,
37.1202

3.7217, 1.1268,
4.8202

43.4951, 28.1296,
52.6279

1.5459, 0.0006,
2.0852

59.7861, 40.7574,
71.9459

0.3568, 0.0000,
0.6070


79.7085, 56.6913,
95.4927


0.0000, 0.0000,
0.0000


103.6275, 76.3155,
123.6867

131.9085,

100.0146, 156.9465

 164.9169,
128.1728, 195.6907

 12.7561, 6.2382,
15.8610


 12.7561, 6.2382,
15.8610


 12.7560, 6.2381,
15.8603

 13.0295, 6.5864,
16.5640

 13.3950, 7.1141,
17.3126

 13.9034, 7.9228,
18.1238

 14.5719, 9.0466,
19.0034

 15.4148, 10.5145,
19.9564

■ 16.4452, 12.3525,
20.9871

■ 17.6748, 14.5837,
22.0996

■ 19.1143, 17.2297,
23.2975

■ 20.7736, 20.3103,
24.5843

Harmonies

Analogous

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



9.9069, 6.2382, 30.3239



12.7561, 6.2382, 15.8610



13.5536, 6.2382, 5.2761

Triad

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



12.7561, 6.2382, 15.8610



5.3730, 6.2382, 0.0000



2.4159, 6.2382, 21.4250

Complementary

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



12.7561, 6.2382, 15.8610



8.6703, 17.1083, 3.6051

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.



1.8866, 6.2382, 8.5743



12.7561, 6.2382, 15.8610



3.1906, 6.2382, 0.0311

Square

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



12.7561, 6.2382, 15.8610



8.5706, 6.2382, 0.0000



2.1137, 6.2382, 2.0733



3.8953, 6.2382, 35.0078

Rectangle

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



12.7561, 6.2382, 15.8610



12.6431, 6.2382, 1.8896



2.1137, 6.2382, 2.0733



2.1481, 6.2382, 16.6076

Sweetspot

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



12.7563, 6.2385, 15.8611



30.9845, 25.4087, 38.8011



4.5940, 1.8715, 22.6734



6.7989, 5.3935, 8.5809



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.



12.7563, 6.2385, 15.8611



22.4275, 10.9720, 27.6949



10.3430, 5.2732, 3.1525



4.8259, 4.7501, 5.6957



11.9576, 5.8474, 14.8808



0.0436, 0.0211, 0.0630

Inverse Universe

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



12.7563, 6.2385, 15.8611



22.4275, 10.9720, 27.6949



10.2499, 17.7401, 11.9234



4.8259, 4.7501, 5.6957



11.9576, 5.8474, 14.8808



0.0436, 0.0211, 0.0630

Previews

White Background



This preview shows how the XYZ color 12.7561, 6.2382, 15.8610 looks on a white background.

Color Contrast Check

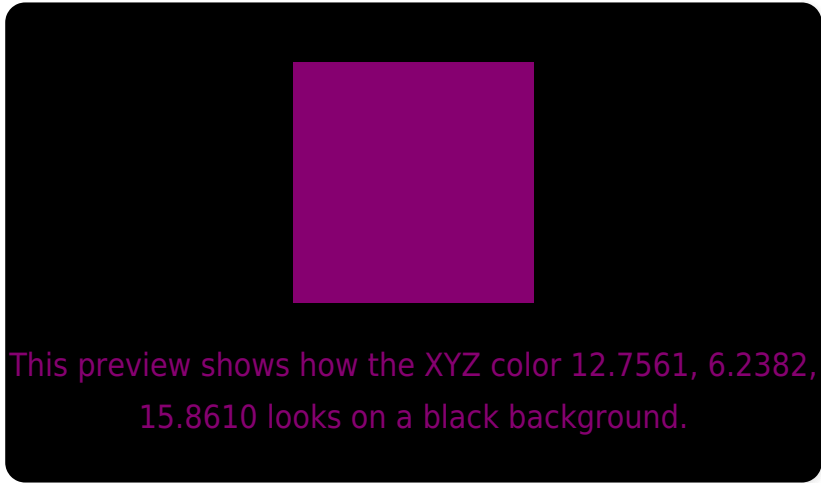
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

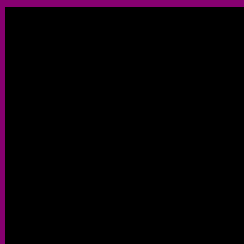
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7561, 6.2382, 15.8610

Background



This preview shows how black text looks on a background with the XYZ color 12.7561, 6.2382, 15.8610.



This preview shows how white text looks on a background with the XYZ color 12.7561, 6.2382, 15.8610.

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

12.7561, 6.2382, 15.8610

Protanopia

7.9207, 6.7735, 30.5957

Deuteranopia

6.9190, 6.8091, 14.3142



Tritanopia

10.3159, 6.5958, 3.4187

Trichromacy



Original Color

12.7561, 6.2382, 15.8610

Protanomaly

6.7204, 4.3359, 24.1496

Deuteranomaly

7.7083, 5.1114, 14.7677

Tritanomaly

10.7585, 6.0313, 6.5584

Monochromacy



Original Color

12.7561, 6.2382, 15.8610

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.2877, 3.4323, 6.8624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7561, 6.2382, 15.8610 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(134, 0, 112)` looks like.

```
.text, #text, p{  
    color:rgb(134, 0, 112)  
}
```

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(134, 0, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 0, 112) }
```

Border

The CSS property to change the border of an element to XYZ 12.7561, 6.2382, 15.8610 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(134, 0, 112) }
```


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

```
.border{ border-color:rgb(134, 0, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 0, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 0, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 0, 112);  
box-shadow:4px 4px 4px 4px rgb(134, 0,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7561, 6.2382, 15.8610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 0, 112) }
```

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

```
.background{ background-color: rgb(134, 0,  
112) }
```

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