

Converting Colors

XYZ(12.7766, 6.8136, 15.8202)

Have a look what the booklet for
XYZ(12.7766, 6.8136, 15.8202)
contains.

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Color

**XYZ(12.7544, 6.7920,
15.6777)**

Conversions

Conversions Part 1

Format	Color
Hex	841A6F
RGB	132, 26, 111
RGB Percent	52%, 10%, 44%
CMY	0.4823, 0.8980, 0.5647
CMYK	0.00, 0.80, 0.16, 0.48
HSL	312°, 67%, 31%
HSV	312°, 80%, 52%
XYZ	12.7544, 6.7920, 15.6777
YIQ	67.3840, 35.8910, 48.9070

Conversions

Conversions Part 2

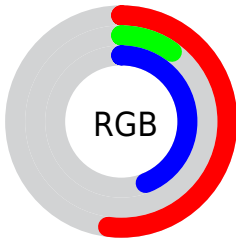
Format	Color
R_{YB}	132, 26, 111
Decimal	8657519
CIE Lab	31.33, 51.98, -23.23
CIE LCh	31, 56.933, 335.924
Yxy	6.7920, 0.3621, 0.1928
Android (android.graphics.Color)	4286847599 (0xFF841A6F)
YUV	67.3840, 21.5027, 56.6682
Hunter-Lab	26.0615, 41.7498, -17.4238

Details

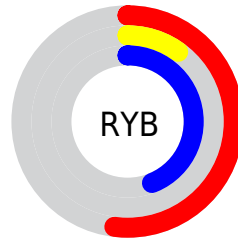
The XYZ color **12.7544, 6.7920, 15.6777** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **9.1907, 16.9277, 5.4729**, and the grayscale version is **5.3593, 5.6384, 6.1402**.

A 20% lighter version of the original color is **30.4432, 19.5222, 36.8140**, and **4.0391, 1.9786, 4.8716** is the 20% darker color. If you saturate the color by 10%, you get **12.3846, 6.2794, 14.8543**, and if you desaturate by 10%, it is **13.2636, 7.5763, 16.5684**.

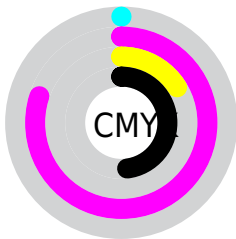
Distribution



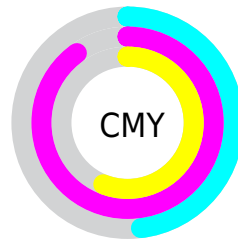
- Red (52%)
- Green (10%)
- Blue (44%)



- Red (52%)
- Yellow (10%)
- Blue (44%)



- Cyan (0%)
- Magenta (80%)
- Yellow (16%)
- Black (48%)



- Cyan (48%)
- Magenta (90%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7544, 6.7920, 15.6777 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 12.7544, 6.7920, 15.6777 by changing the saturation by 10% instead.

12.7544, 6.7920,
15.6777

12.7544, 6.7920,
15.6777

203.0072,
165.9240, 239.2127

7.3355, 3.3324,
9.1445

30.4669, 19.5535,
36.7967

3.7210, 1.3076,
4.7375

43.4912, 29.6242,
52.2196

1.5455, 0.1471,
2.0380

59.7814, 42.6674,
71.4429

0.3565, 0.0000,
0.5785

79.7027, 59.0674,
94.8850

0.0000, 0.0000,
0.0000

103.6206, 79.2087,
122.9645

131.9004,

103.4756, 156.0999

164.9075,
132.2526, 194.7098

12.7544, 6.7920,
15.6777

12.7544, 6.7920,
15.6777

12.3846, 6.2794,
14.8543

13.2636, 7.5763,
16.5684

12.1095, 5.9431,
14.1031

13.9279, 8.6643,
17.5318

14.7617, 10.0843,
18.5728

15.7774, 11.8614,
19.6958

16.9865, 14.0181,
20.9047

■ 18.3992, 16.5751,
22.2032

■ 20.0251, 19.5515,
23.5945

■ 21.8734, 22.9653,
25.0820

■ 23.9524, 26.8335,
26.6685

Harmonies

Analogous

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



10.1743, 6.7920, 28.3460



12.7544, 6.7920, 15.6777



13.4620, 6.7920, 5.9100

Triad

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



12.7544, 6.7920, 15.6777



5.9137, 6.7920, 0.0000



2.9934, 6.7920, 20.7020

Complementary

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



12.7544, 6.7920, 15.6777



9.1907, 16.9277, 5.4729

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.



2.4338, 6.7920, 9.1108



12.7544, 6.7920, 15.6777



3.7754, 6.7920, 0.5531

Square

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



12.7544, 6.7920, 15.6777



8.9210, 6.7920, 0.1423



2.6715, 6.7920, 2.7075



4.4922, 6.7920, 32.4418

Rectangle

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



12.7544, 6.7920, 15.6777



12.6387, 6.7920, 2.4824



2.6715, 6.7920, 2.7075



2.7126, 6.7920, 16.4365

Sweetspot

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



12.7546, 6.7923, 15.6778



31.3104, 27.1999, 38.1216



5.6360, 2.9729, 22.1069



7.1135, 6.0140, 8.7125



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.



12.7546, 6.7923, 15.6778



21.4492, 10.6347, 25.1015



10.6897, 5.9664, 4.8039



4.8194, 4.7474, 5.6613



11.7267, 5.7550, 13.6651



0.0431, 0.0209, 0.0605

Inverse Universe

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



12.7546, 6.7923, 15.6778



21.4492, 10.6347, 25.1015



10.9028, 17.6126, 14.4883



4.8194, 4.7474, 5.6613



11.7267, 5.7550, 13.6651



0.0431, 0.0209, 0.0605

Previews

White Background



This preview shows how the XYZ color 12.7544, 6.7920, 15.6777 looks on a white background.

Color Contrast Check

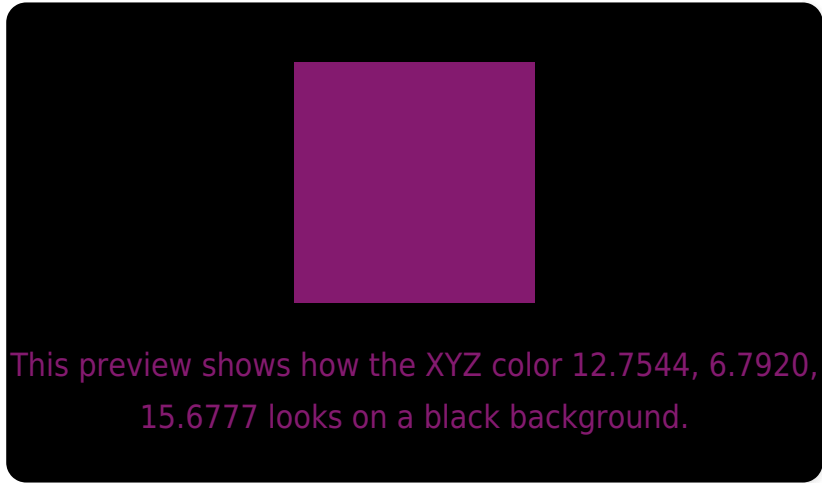
Large Text (above 18pt) WCAG AA ✓ Pass

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

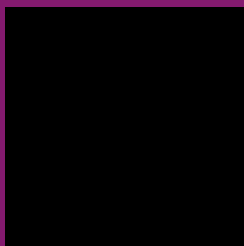
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7544, 6.7920, 15.6777

Background



This preview shows how black text looks on a background with the XYZ color 12.7544, 6.7920, 15.6777.



This preview shows how white text looks on a background with the XYZ color 12.7544, 6.7920,

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

12.7544, 6.7920, 15.6777

Protanopia

8.2885, 7.1738, 29.8020

Deuteranopia

7.1786, 7.0413, 14.3454



Tritanopia

10.4705, 6.9566, 4.0397

Trichromacy



Original Color

12.7544, 6.7920, 15.6777

Protanomaly

7.9725, 5.6959, 23.9718

Deuteranomaly

8.2368, 6.1116, 14.6555

Tritanomaly

11.0488, 6.7340, 7.0208

Monochromacy



Original Color

12.7544, 6.7920, 15.6777

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

7.1037, 5.3047, 8.8331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7544, 6.7920, 15.6777 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(132, 26, 111)` looks like.

```
.text, #text, p{  
    color:rgb(132, 26, 111)  
}
```

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(132, 26, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 26, 111) }
```

Border

The CSS property to change the border of an element to XYZ 12.7544, 6.7920, 15.6777 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(132, 26, 111) }
```


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

```
.border{ border-color:rgb(132, 26, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 26, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 26, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 26, 111);  
box-shadow:4px 4px 4px 4px rgb(132, 26,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7544, 6.7920, 15.6777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 26, 111) }
```

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

```
.background{ background-color: rgb(132, 26,  
111) }
```

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](#).

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