

Converting Colors

XYZ(12.7986, 6.6808, 3.0989)

Have a look what the booklet for
XYZ(12.7986, 6.6808, 3.0989)
contains.

XYZ(12.7841, 6.6807, 3.0983)	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(12.7841, 6.6807,
3.0983)**

Conversions

Conversions Part 1

Format	Color
Hex	94092D
RGB	148, 9, 45
RGB Percent	58%, 4%, 18%
CMY	0.4196, 0.9646, 0.8235
CMYK	0.00, 0.94, 0.70, 0.42
HSL	344°, 89%, 31%
HSV	344°, 94%, 58%
XYZ	12.7841, 6.6807, 3.0983
YIQ	54.6650, 71.2880, 40.6640

Conversions

Conversions Part 2

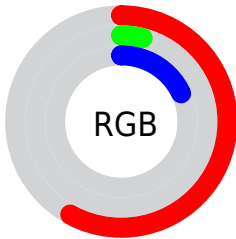
Format	Color
R_{YB}	148, 9, 45
Decimal	9701677
CIE _{Lab}	31.07, 53.30, 20.09
CIE _{LCh}	31, 56.961, 20.656
Yxy	6.6807, 0.5666, 0.2961
Android (android.graphics.Color)	4287891757 (0xFF94092D)
YUV	54.6650, -4.7648, 81.8548
Hunter-Lab	25.8471, 43.0548, 10.9858

Details

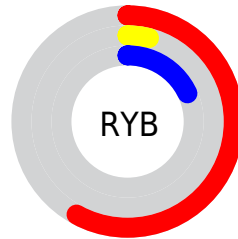
The XYZ color **12.7841, 6.6807, 3.0983** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **13.6284, 22.4082, 18.9414**, and the grayscale version is **3.5899, 3.7768, 4.1130**.

A 20% lighter version of the original color is **30.4423, 19.3170, 11.7969**, and **4.2164, 2.1737, 0.1973** is the 20% darker color. If you saturate the color by 10%, you get **12.5677, 6.4379, 2.4409**, and if you desaturate by 10%, it is **13.2486, 7.2269, 4.4340**.

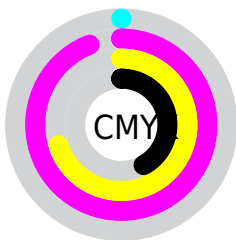
Distribution



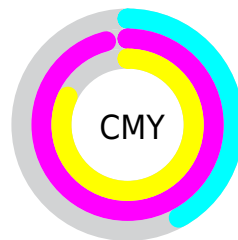
- Red (58%)
- Green (4%)
- Blue (18%)



- Red (58%)
- Yellow (4%)
- Blue (18%)



- Cyan (0%)
- Magenta (94%)
- Yellow (70%)
- Black (42%)



- Cyan (42%)
- Magenta (96%)
- Yellow (82%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7841, 6.6807, 3.0983 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 12.7841, 6.6807, 3.0983 by changing the saturation by 10% instead.

■ 12.7841, 6.6807,
3.0983

■ 12.7841, 6.6807,
3.0983

203.1950,
164.9836, 137.6029

■ 7.3560, 3.2632,
1.1450

■ 30.5200, 19.3279,
11.8700

■ 3.7340, 1.2707,
0.0000

■ 43.5585, 29.3265,
19.5256

■ 1.5528, 0.1183,
0.0000

■ 59.8645, 42.2875,
29.9191

■ 0.3613, 0.0000,
0.0000

■ 79.8035, 58.5954,
43.4689

■ 0.0000, 0.0000,
0.0000

■ 103.7406, 78.6345,
60.5936

■ 132.0413,

102.7894, 81.7119

165.0710,
131.4442, 107.2421

12.7841, 6.6807,
3.0983

12.7841, 6.6807,
3.0983

12.5677, 6.4379,
2.4409

13.2486, 7.2269,
4.4340

13.9370, 8.1265,
6.1342

14.8767, 9.4291,
8.2258

16.0909, 11.1757,
10.7323

17.5999, 13.4022,
13.6757

■ 19.4222, 16.1407,
17.0759

■ 21.5744, 19.4207,
20.9519

■ 24.0723, 23.2693,
25.3213

■ 26.9304, 27.7117,
30.2009

Harmonies

Analogous

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



13.2241, 6.6807, 10.0551



12.7841, 6.6807, 3.0983



10.3798, 6.6807, 0.6653

Triad

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



12.7841, 6.6807, 3.0983



3.0467, 6.6807, 1.2437



5.5205, 6.6807, 35.2722

Complementary

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



12.7841, 6.6807, 3.0983



13.6284, 22.4082, 18.9414

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.



3.5269, 6.6807, 26.7131



12.7841, 6.6807, 3.0983



2.3995, 6.6807, 5.0600

Square

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



12.7841, 6.6807, 3.0983



4.6438, 6.6807, 0.0187



2.5449, 6.6807, 14.1257



8.4295, 6.6807, 33.0804

Rectangle

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



12.7841, 6.6807, 3.0983



8.2912, 6.6807, 0.0000



2.5449, 6.6807, 14.1257



4.7379, 6.6807, 33.4110

Sweetspot

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



12.7843, 6.6811, 3.0984



36.2261, 31.4525, 33.6805



11.9909, 5.7094, 28.4869



7.9355, 6.6717, 7.0835



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



12.7843, 6.6811, 3.0984



22.1141, 11.3349, 3.9852



13.0706, 7.9326, 1.1012



5.8588, 5.8386, 6.3624



10.7448, 5.5030, 2.1370



0.1421, 0.0716, 0.0822

Inverse Universe

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



12.7843, 6.6811, 3.0984



22.1141, 11.3349, 3.9852



11.6542, 14.5884, 30.2185



5.8588, 5.8386, 6.3624



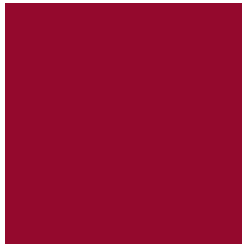
10.7448, 5.5030, 2.1370



0.1421, 0.0716, 0.0822

Previews

White Background



This preview shows how the XYZ color 12.7841, 6.6807, 3.0983 looks on a white background.

Color Contrast Check

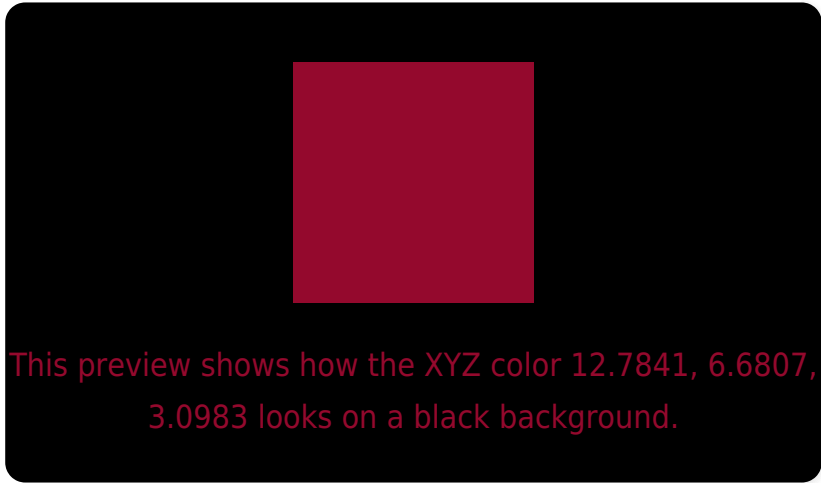
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7841, 6.6807, 3.0983

Background



This preview shows how black text looks on a background with the XYZ color 12.7841, 6.6807, 3.0983.



This preview shows how white text looks on a background with the XYZ color 12.7841, 6.6807,

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

12.7841, 6.6807, 3.0983

Protanopia

6.7239, 7.0878, 6.1679

Deuteranopia

7.1814, 7.1018, 2.8260



Tritanopia

12.3840, 6.7438, 1.1793

Trichromacy



Original Color

12.7841, 6.6807, 3.0983

Protanomaly

7.6565, 5.6162, 4.6835

Deuteranomaly

8.3086, 5.8674, 2.7924

Tritanomaly

12.4157, 6.6528, 1.6666

Monochromacy



Original Color

12.7841, 6.6807, 3.0983

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

5.4105, 3.7491, 3.5705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7841, 6.6807, 3.0983 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(148, 9, 45)` looks like.

```
.text, #text, p{  
  color:rgb(148, 9, 45)  
}
```

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(148, 9, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 9, 45) }
```

Border

The CSS property to change the border of an element to XYZ 12.7841, 6.6807, 3.0983 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(148, 9, 45) }
```


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

```
.border{ border-color:rgb(148, 9, 45) }
```

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

Here you see how a box with a 4 pixel rgb(148, 9, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 9, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 9, 45);  
box-shadow:4px 4px 4px 4px rgb(148, 9, 45)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.7841, 6.6807, 3.0983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 9, 45) }
```

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

```
.background{ background-color: rgb(148, 9,  
45) }
```

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