

# Converting Colors

XYZ(18.8682, 8.7294, 47.7048)

Have a look what the booklet for  
XYZ(18.8682, 8.7294, 47.7048)  
contains.

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# Color

**XYZ(18.8229, 8.6996,  
47.7008)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8602BB
RGB	134, 2, 187
RGB Percent	53%, 1%, 73%
CMY	0.4745, 0.9921, 0.2667
CMYK	0.28, 0.99, 0.00, 0.27
HSL	283°, 98%, 37%
HSV	283°, 99%, 73%
XYZ	18.8229, 8.6996, 47.7008
YIQ	62.5580, 19.2870, 85.5190

# Conversions

## Conversions Part 2

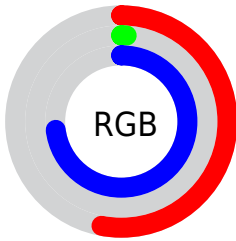
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	134, 2, 187
Decimal	8782523
CIE <sub>Lab</sub>	35.40, 69.89, -63.28
CIE <sub>LCh</sub>	35, 94.283, 317.844
Yxy	8.6996, 0.2502, 0.1157
Android (android.graphics.Color)	4286972603 (0xFF8602BB)
YUV	62.5580, 61.3499, 62.6546
Hunter-Lab	29.4951, 62.2971, -75.2399

# Details

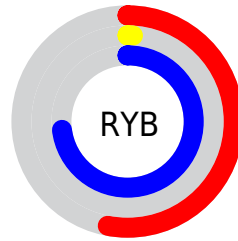
The XYZ color **18.8229, 8.6996, 47.7008** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **19.3569, 36.3574, 6.0550**, and the grayscale version is **4.5719, 4.8100, 5.2380**.

A 20% lighter version of the original color is **40.8633, 23.3301, 87.9374**, and **7.1453, 3.2024, 22.0713** is the 20% darker color. If you saturate the color by 10%, you get **18.7104, 8.6094, 47.6895**, and if you desaturate by 10%, it is **19.9401, 9.6333, 47.8223**.

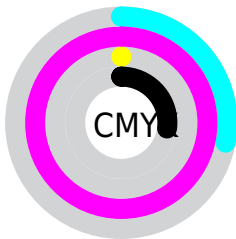
# Distribution



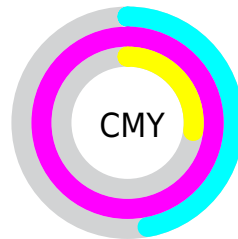
- Red (53%)
- Green (1%)
- Blue (73%)



- Red (53%)
- Yellow (1%)
- Blue (73%)



- Cyan (28%)
- Magenta (99%)
- Yellow (0%)
- Black (27%)



- Cyan (47%)
- Magenta (99%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8229, 8.6996, 47.7008 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 18.8229, 8.6996, 47.7008 by changing the saturation by 10% instead.



18.8229, 8.6996,  
47.7008

18.8229, 8.6996,  
47.7008

238.4262,  
181.1208, 394.0794

11.6456, 4.5458,  
33.2317

40.9538, 23.3190,  
88.1197

6.5733, 1.9833,  
22.0314

56.6382, 34.5533,  
114.9065

3.2407, 0.5977,  
13.6815

75.8889, 48.9165,  
146.6363

1.2823, 0.0000,  
7.7632

99.0715, 66.7931,  
183.7277

0.1699, 0.0000,  
3.8582

126.5511, 88.5675,  
226.5992

0.0000, 0.0000,  
1.5479

158.6932,

0.0000, 0.0000,

114.6239, 275.6692

0.2532

195.8631,  
145.3469, 331.3565

0.0000, 0.0000,  
0.0000

18.8229, 8.6996,  
47.7008

18.8229, 8.6996,  
47.7008

18.7104, 8.6094,  
47.6895

19.9401, 9.6333,  
47.8223

21.3357, 11.0596,  
48.0241

23.0792, 13.1154,  
48.3290

25.2103, 15.8794,  
48.7502

27.7626, 19.4183,  
49.2987

■ 30.7663, 23.7910,  
49.9844

■ 34.2482, 29.0508,  
50.8162

■ 38.2331, 35.2463,  
51.8020

■ 42.7439, 42.4225,  
52.9494

# Harmonies

## Analogous

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



11.9436, 8.6996, 77.2348



18.8229, 8.6996, 47.7008



23.4771, 8.6996, 17.3717

# Triad

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



18.8229, 8.6996, 47.7008



10.6969, 8.6996, 0.0000



1.7410, 8.6996, 22.0848

# Complementary

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



18.8229, 8.6996, 47.7008



19.3569, 36.3574, 6.0550

# 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.



1.6468, 8.6996, 4.4257



18.8229, 8.6996, 47.7008



5.4374, 8.6996, 0.0000

# Square

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



18.8229, 8.6996, 47.7008



17.5701, 8.6996, 0.0000



2.6522, 8.6996, 0.0000



3.0146, 8.6996, 54.2082



# Rectangle

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



18.8229, 8.6996, 47.7008



23.7548, 8.6996, 5.9165



2.6522, 8.6996, 0.0000



1.6002, 8.6996, 14.2264

# Sweetspot

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



18.8234, 8.6999, 47.7010



60.3098, 50.4560, 90.7617



10.4828, 6.5769, 47.7308



12.6887, 10.2124, 19.8450



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



18.8234, 8.6999, 47.7010



33.2653, 15.2931, 85.4000



26.0204, 12.8103, 29.9557



9.6564, 9.5553, 12.0076



12.9656, 5.9701, 32.8619



0.5693, 0.2655, 1.2901



# Inverse Universe

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



21.2049, 10.8841, 4.5977



37.7904, 19.3562, 7.4397



18.1617, 35.7002, 7.8532



9.6395, 9.5801, 10.4908



14.5995, 7.4710, 3.1848



0.6011, 0.3043, 0.2788



# Previews

## White Background



This preview shows how the XYZ color 18.8229, 8.6996, 47.7008 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

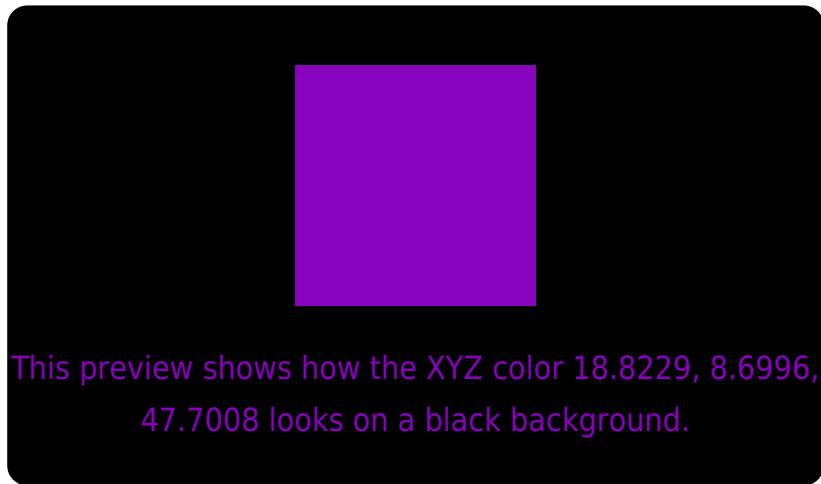
Any Text WCAG AA ✓ Pass

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

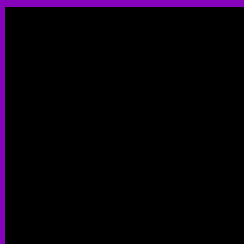
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 18.8229, 8.6996, 47.7008**

## **Background**



This preview shows how black text looks on a background with the XYZ color 18.8229, 8.6996, 47.7008.



This preview shows how white text looks on a background with the XYZ color 18.8229, 8.6996,



# 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

18.8229, 8.6996, 47.7008

### Protanopia

10.7332, 9.2425, 41.2627

### Deuteranopia

9.0756, 9.2138, 30.5783



## Tritanopia

10.9963, 9.0426, 8.5630

# Trichromacy



## Original Color

18.8229, 8.6996, 47.7008



## Protanomaly

10.7225, 6.5460, 43.3462



## Deuteranomaly

9.4306, 6.2596, 35.8331



## Tritanomaly

12.4549, 7.5520, 17.9408

# Monochromacy



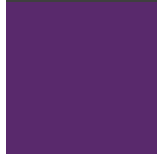
## Original Color

18.8229, 8.6996, 47.7008



## Achromatopsia

4.7246, 4.9707, 5.4130



## Achromatomaly

7.6195, 4.7924, 14.7108

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 18.8229, 8.6996, 47.7008 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, 2, 187)` looks like.

```
.text, #text, p{  
    color:rgb(134, 2, 187)  
}
```

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, 2, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 2, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 18.8229, 8.6996, 47.7008 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, 2, 187) }
```



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

```
.border{ border-color:rgb(134, 2, 187) }
```

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

Here you see how a box with a 4 pixel rgb(134, 2, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 2, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 2, 187);  
box-shadow:4px 4px 4px 4px rgb(134, 2,  
187) }
```

# Background

The CSS property to change the background color of an element to XYZ 18.8229, 8.6996, 47.7008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 2, 187) }
```

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

```
.background{ background-color: rgb(134, 2,  
187) }
```

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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