

Converting Colors

XYZ(18.1301, 8.3207, 47.1885)

Have a look what the booklet for
XYZ(18.1301, 8.3207, 47.1885)
contains.

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Color

**XYZ(18.0688, 8.2910,
47.1024)**

Conversions

Conversions Part 1

Format	Color
Hex	8200BA
RGB	130, 0, 186
RGB Percent	51%, 0%, 73%
CMY	0.4902, 1.0000, 0.2706
CMYK	0.30, 1.00, 0.00, 0.27
HSL	282°, 100%, 36%
HSV	282°, 100%, 73%
XYZ	18.0688, 8.2910, 47.1024
YIQ	60.0740, 17.7740, 85.4060

Conversions

Conversions Part 2

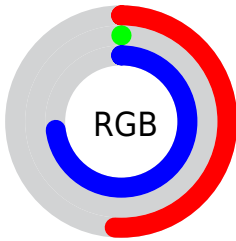
Format	Color
R_{YB}	130, 0, 186
Decimal	8519866
CIE _{Lab}	34.58, 69.47, -64.05
CIE _{LCh}	35, 94.493, 317.325
Yxy	8.2910, 0.2460, 0.1129
Android (android.graphics.Color)	4286709946 (0xFF8200BA)
YUV	60.0740, 62.0815, 61.3251
Hunter-Lab	28.7941, 61.6222, -76.8328

Details

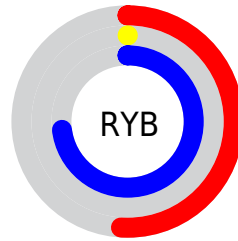
The XYZ color **18.0688, 8.2910, 47.1024** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **19.1901, 35.9588, 5.9295**, and the grayscale version is **4.2206, 4.4404, 4.8356**.

A 20% lighter version of the original color is **39.5706, 22.4702, 87.0456**, and **6.7692, 3.0164, 21.6982** is the 20% darker color. If you saturate the color by 10%, you get **18.0690, 8.2911, 47.1026**, and if you desaturate by 10%, it is **19.1780, 9.1987, 47.2193**.

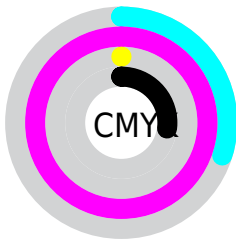
Distribution



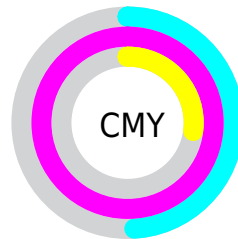
- Red (51%)
- Green (0%)
- Blue (73%)



- Red (51%)
- Yellow (0%)
- Blue (73%)



- Cyan (30%)
- Magenta (100%)
- Yellow (0%)
- Black (27%)



- Cyan (49%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0688, 8.2910, 47.1024 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 18.0688, 8.2910, 47.1024 by changing the saturation by 10% instead.

■ 18.0688, 8.2910,
47.1024

■ 18.0688, 8.2910,
47.1024

234.2966,
177.9970, 391.6287

■ 11.0994, 4.2817,
32.7617

■ 39.6837, 22.5270,
87.2180

■ 6.2015, 1.8324,
21.6743

■ 55.0599, 33.5224,
113.8300

■ 3.0098, 0.5072,
13.4218

■ 73.9690, 47.6154,
145.3696

■ 1.1590, 0.0000,
7.5855

■ 96.7765, 65.1903,
182.2551

■ 0.0736, 0.0000,
3.7469

■ 123.8476, 86.6316,
224.9053


■ 0.0000, 0.0000,
1.4876

■ 155.5478,


■ 0.0000, 0.0000,

112.3235, 273.7386


0.2086


 192.2423,
142.6505, 329.1735


 0.0000, 0.0000,
0.0000


 18.0688, 8.2910,
47.1024


 18.0688, 8.2910,
47.1024


 18.0690, 8.2911,
47.1026

 19.1780, 9.1987,
47.2193

 20.5498, 10.5616,
47.4101

 22.2648, 12.5394,
47.7014

 24.3631, 15.2113,
48.1066

 26.8787, 18.6441,
48.6366

■ 29.8415, 22.8968,
49.3013

■ 33.2784, 28.0224,
50.1095

■ 37.2144, 34.0695,
51.0692

■ 41.6721, 41.0829,
52.1880

Harmonies

Analogous

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



11.3424, 8.2910, 76.0051



18.0688, 8.2910, 47.1024



22.6995, 8.2910, 17.1179

Triad

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



18.0688, 8.2910, 47.1024



10.3490, 8.2910, 0.0000



1.5879, 8.2910, 20.8891

Complementary

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



18.0688, 8.2910, 47.1024



19.1901, 35.9588, 5.9295

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.



1.5151, 8.2910, 3.9984



18.0688, 8.2910, 47.1024



5.2059, 8.2910, 0.0000

Square

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



18.0688, 8.2910, 47.1024



17.0656, 8.2910, 0.0000



2.4927, 8.2910, 0.0000



2.7757, 8.2910, 52.3517

Rectangle

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



18.0688, 8.2910, 47.1024



23.0373, 8.2910, 5.7790



2.4927, 8.2910, 0.0000



1.4604, 8.2910, 13.3097

Sweetspot

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



18.0693, 8.2913, 47.1026



59.9869, 50.2896, 90.7466



10.4220, 6.6632, 47.1914



12.6091, 10.1714, 19.8413



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.



18.0693, 8.2913, 47.1026



32.4944, 14.8957, 85.3639



25.9092, 12.7030, 30.7497



9.1106, 9.0234, 11.3409



12.2347, 5.6184, 31.6927



0.4907, 0.2287, 1.1200

Inverse Universe

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



20.9637, 10.7248, 4.7070



37.9043, 19.4017, 8.0392



17.8493, 35.2341, 7.3814



9.1129, 9.0555, 9.9421



14.1331, 7.2270, 3.3216



0.5265, 0.2661, 0.2661

Previews

White Background



This preview shows how the XYZ color 18.0688, 8.2910, 47.1024 looks on a white background.

Color Contrast Check

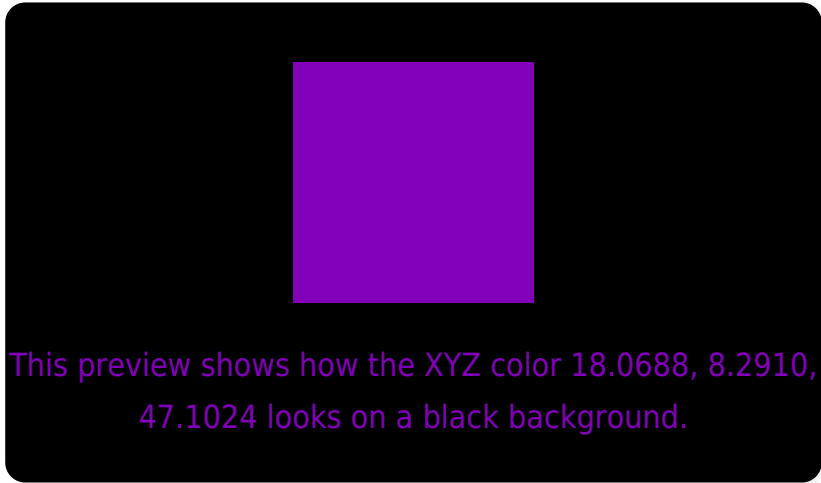
Large Text (above 18pt) WCAG AA ✓ Pass

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

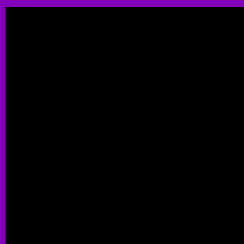
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.0688, 8.2910, 47.1024

Background



This preview shows how black text looks on a background with the XYZ color 18.0688, 8.2910, 47.1024.



This preview shows how white text looks on a background with the XYZ color 18.0688, 8.2910,

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

18.0688, 8.2910, 47.1024

Protanopia

10.1981, 8.7871, 39.1888

Deuteranopia

8.6731, 8.7937, 29.2572



Tritanopia

10.4398, 8.7599, 8.3483

Trichromacy



Original Color

18.0688, 8.2910, 47.1024



Protanomaly

10.2368, 6.1949, 41.7305



Deuteranomaly

9.0601, 5.9453, 34.8525



Tritanomaly

11.7956, 7.1603, 17.5900

Monochromacy



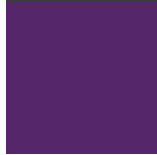
Original Color

18.0688, 8.2910, 47.1024



Achromatopsia

4.2949, 4.5186, 4.9208



Achromatomaly

7.0409, 4.3581, 14.1058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0688, 8.2910, 47.1024 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(130, 0, 186)` looks like.

```
.text, #text, p{  
    color:rgb(130, 0, 186)  
}
```

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(130, 0, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 0, 186) }
```

Border

The CSS property to change the border of an element to XYZ 18.0688, 8.2910, 47.1024 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(130, 0, 186) }
```


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

```
.border{ border-color:rgb(130, 0, 186) }
```

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

Here you see how a box with a 4 pixel rgb(130, 0, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 0, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 0, 186);  
box-shadow:4px 4px 4px 4px rgb(130, 0,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0688, 8.2910, 47.1024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 0, 186) }
```

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

```
.background{ background-color: rgb(130, 0,  
186) }
```

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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