

# Converting Colors

XYZ(19.2252, 8.7319, 54.1687)

Have a look what the booklet for  
XYZ(19.2252, 8.7319, 54.1687)  
contains.

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# Color

**XYZ(19.2463, 8.7443,  
54.0995)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8100C6
RGB	129, 0, 198
RGB Percent	51%, 0%, 78%
CMY	0.4941, 1.0000, 0.2235
CMYK	0.35, 1.00, 0.00, 0.22
HSL	279°, 100%, 39%
HSV	279°, 100%, 78%
XYZ	19.2463, 8.7443, 54.0995
YIQ	61.1430, 13.3260, 88.9260

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 0, 198
Decimal	8454342
CIE <sub>Lab</sub>	35.49, 71.68, -69.64
CIE <sub>LCh</sub>	35, 99.938, 315.830
Yxy	8.7443, 0.2345, 0.1065
Android (android.graphics.Color)	4286644422 (0xFF8100C6)
YUV	61.1430, 67.4705, 59.5106
Hunter-Lab	29.5708, 64.4289, -87.7711

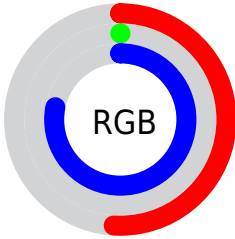
# Details

The XYZ color **19.2463, 8.7443, 54.0995** is a dark color, and the websafe version is hex **9900CC**.

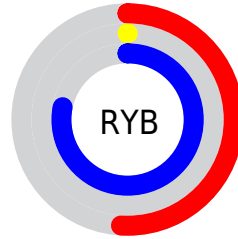
The color can be described as dark washed purple. A complement of this color would be **22.6482, 41.6534, 6.8462**, and the grayscale version is **4.3622, 4.5894, 4.9979**.

A 20% lighter version of the original color is **41.5134, 23.3601, 96.9287**, and **7.4122, 3.2484, 26.2229** is the 20% darker color. If you saturate the color by 10%, you get **19.2468, 8.7446, 54.0997**, and if you desaturate by 10%, it is **20.5773, 9.7966, 54.2327**.

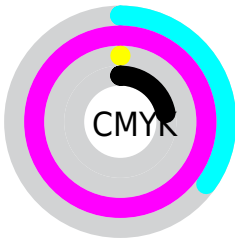
# Distribution



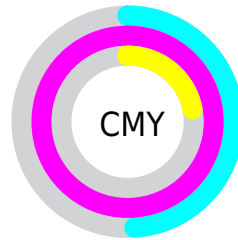
- Red (51%)
- Green (0%)
- Blue (78%)



- Red (51%)
- Yellow (0%)
- Blue (78%)



- Cyan (35%)
- Magenta (100%)
- Yellow (0%)
- Black (22%)




- Cyan (49%)
- Magenta (100%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2463, 8.7443, 54.0995 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 19.2463, 8.7443, 54.0995 by changing the saturation by 10% instead.





 19.2463, 8.7443,  
54.0995


 19.2463, 8.7443,  
54.0995


240.7172,  
181.4588, 419.6747

 11.9534, 4.5748,  
38.2875


 41.6635, 23.4052,  
97.6782

 6.7840, 2.0000,  
25.9023


 57.5186, 34.6653,  
126.2820


 3.3725, 0.6075,  
16.5255


 76.9585, 49.0578,  
159.9868

 1.3537, 0.0000,  
9.7384

 100.3485, 66.9669,  
199.2111

 0.2228, 0.0000,  
5.1225

 128.0541, 88.7772,  
244.3735

 0.0000, 0.0000,  
2.2593

 160.4405,

 0.0000, 0.0000,

114.8730, 295.8925

0.7083

197.8731,  
145.6387, 354.1867

0.0000, 0.0000,  
0.0000

19.2463, 8.7443,  
54.0995

19.2463, 8.7443,  
54.0995

19.2468, 8.7446,  
54.0997

20.5773, 9.7966,  
54.2327

22.2320, 11.3900,  
54.4530

24.3007, 13.7023,  
54.7903

26.8306, 16.8262,  
55.2599

29.8621, 20.8405,  
55.8750

■ 33.4306, 25.8142,  
56.6469

■ 37.5681, 31.8094,  
57.5861

■ 42.3037, 38.8829,  
58.7018

■ 47.6645, 47.0872,  
60.0028

# Harmonies

## Analogous

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



11.7657, 8.7443, 86.0632



19.2463, 8.7443, 54.0995



24.6427, 8.7443, 19.7615

# Triad

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



19.2463, 8.7443, 54.0995



11.3739, 8.7443, 0.0000



1.5131, 8.7443, 21.2625

# Complementary

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



19.2463, 8.7443, 54.0995



22.6482, 41.6534, 6.8462

# 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.



1.4862, 8.7443, 3.6194



19.2463, 8.7443, 54.0995



5.6092, 8.7443, 0.0000

# Square

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



19.2463, 8.7443, 54.0995



18.8464, 8.7443, 0.0000



2.5788, 8.7443, 0.0000



2.6857, 8.7443, 56.2248



# Rectangle

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



19.2463, 8.7443, 54.0995



25.2325, 8.7443, 6.6139



2.5788, 8.7443, 0.0000



1.3980, 8.7443, 13.1753

# Sweetspot

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



19.2468, 8.7446, 54.0997



66.1736, 55.8101, 101.8924



12.3397, 8.3705, 54.3916



13.4700, 10.9322, 21.6501



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



19.2468, 8.7446, 54.0997



33.8053, 15.3422, 95.7873



30.3847, 14.8442, 38.4564



10.7105, 10.6245, 13.4037



12.6119, 5.7359, 35.1868



0.6732, 0.3108, 1.6697



# Inverse Universe

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



24.3629, 12.4354, 6.7460



43.0373, 21.9789, 11.3944



20.4247, 40.4805, 7.9453



10.7839, 10.6970, 11.8454



15.8805, 8.1018, 4.5807



0.7862, 0.3973, 0.3974



# Previews

## White Background



This preview shows how the XYZ color 19.2463, 8.7443, 54.0995 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

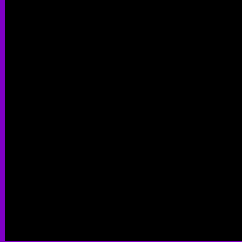
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 19.2463, 8.7443, 54.0995**

## **Background**



This preview shows how black text looks on a background with the XYZ color 19.2463, 8.7443, 54.0995.



This preview shows how white text looks on a background with the XYZ color 19.2463, 8.7443,



# 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

19.2463, 8.7443, 54.0995

### Protanopia

10.7332, 9.2425, 41.2627

### Deuteranopia

8.9947, 9.1815, 30.1523



## Tritanopia

10.2786, 9.0581, 9.3903

# Trichromacy



## Original Color

19.2463, 8.7443, 54.0995



## Protanomaly

10.9926, 6.5694, 45.4884



## Deuteranomaly

9.5615, 6.2227, 37.2564



## Tritanomaly

11.8702, 7.3221, 20.1897

# Monochromacy



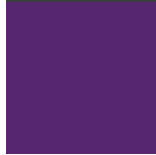
## Original Color

19.2463, 8.7443, 54.0995



## Achromatopsia

4.4355, 4.6665, 5.0818



## Achromatomaly

7.4325, 4.5772, 15.5307

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 19.2463, 8.7443, 54.0995 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(129, 0, 198)` looks like.

```
.text, #text, p{  
    color:rgb(129, 0, 198)  
}
```

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(129, 0, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 0, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 19.2463, 8.7443, 54.0995 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(129, 0, 198) }
```



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

```
.border{ border-color:rgb(129, 0, 198) }
```

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

Here you see how a box with a 4 pixel rgb(129, 0, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 0, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 0, 198);  
box-shadow:4px 4px 4px 4px rgb(129, 0,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 19.2463, 8.7443, 54.0995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 0, 198) }
```

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

```
.background{ background-color: rgb(129, 0,  
198) }
```

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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