

Converting Colors

XYZ(18.4512, 8.3477, 53.4626)

Have a look what the booklet for
XYZ(18.4512, 8.3477, 53.4626)
contains.

XYZ(18.3902, 8.3163, 53.4593)	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(18.3902, 8.3163,
53.4593)**

Conversions

Conversions Part 1

Format	Color
Hex	7C00C5
RGB	124, 0, 197
RGB Percent	49%, 0%, 77%
CMY	0.5137, 1.0000, 0.2274
CMYK	0.37, 1.00, 0.00, 0.23
HSL	278°, 100%, 39%
HSV	278°, 100%, 77%
XYZ	18.3902, 8.3163, 53.4593
YIQ	59.5340, 10.6670, 87.5550

Conversions

Conversions Part 2

Format	Color
RYB	124, 0, 197
Decimal	8126661
CIELab	34.63, 70.95, -70.48
CIElCh	35, 100.004, 315.188
Yxy	8.3163, 0.2294, 0.1037
Android (android.graphics.Color)	4286316741 (0xFF7C00C5)
YUV	59.5340, 67.7707, 56.5367
Hunter-Lab	28.8380, 63.3643, -89.7240

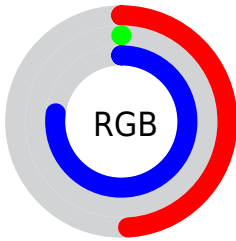
Details

The XYZ color **18.3902, 8.3163, 53.4593** is a dark color, and the websafe version is hex **9900CC**.

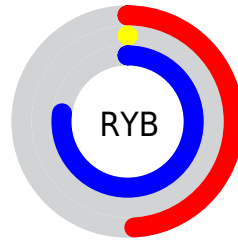
The color can be described as dark washed purple. A complement of this color would be **22.7138, 41.3491, 6.7840**, and the grayscale version is **4.1394, 4.3550, 4.7426**.

A 20% lighter version of the original color is **40.2323, 22.5950, 96.8485**, and **6.9968, 3.0430, 25.8098** is the 20% darker color. If you saturate the color by 10%, you get **18.3907, 8.3165, 53.4595**, and if you desaturate by 10%, it is **19.7300, 9.3705, 53.5924**.

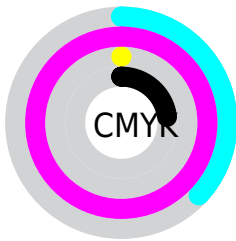
Distribution



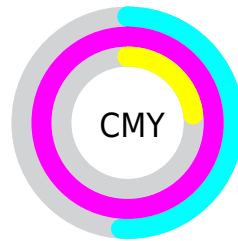
- Red (49%)
- Green (0%)
- Blue (77%)



- Red (49%)
- Yellow (0%)
- Blue (77%)



- Cyan (37%)
- Magenta (100%)
- Yellow (0%)
- Black (23%)



- Cyan (51%)
- Magenta (100%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3902, 8.3163, 53.4593 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 18.3902, 8.3163, 53.4593 by changing the saturation by 10% instead.

■ 18.3902, 8.3163,
53.4593

■ 18.3902, 8.3163,
53.4593

236.0646,
178.1923, 417.1610

■ 11.3319, 4.2980,
37.7793

■ 40.2260, 22.5762,
96.7283

■ 6.3595, 1.8416,
25.5110

■ 55.7342, 33.5866,
125.1543

■ 3.1076, 0.5129,
16.2357

■ 74.7897, 47.6965,
158.6662

■ 1.2109, 0.0000,
9.5349

■ 97.7579, 65.2903,
197.6823

■ 0.1150, 0.0000,
4.9902

■ 125.0041, 86.7524,
242.6214


■ 0.0000, 0.0000,
2.1828

■ 156.8937,


■ 0.0000, 0.0000,

112.4672, 293.9018

0.6644

 193.7921,
142.8190, 351.9421


 0.0000, 0.0000,
0.0000


 18.3902, 8.3163,
53.4593


 18.3902, 8.3163,
53.4593


 18.3907, 8.3165,
53.4595

 19.7300, 9.3705,
53.5924

 21.3980, 10.9635,
53.8119

 23.4839, 13.2715,
54.1475

 26.0347, 16.3864,
54.6143

 29.0905, 20.3860,
55.2252

■ 32.6864, 25.3385,
55.9916

■ 36.8543, 31.3054,
56.9237

■ 41.6232, 38.3429,
58.0307

■ 47.0202, 46.5031,
59.3213

Harmonies

Analogous

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



11.1065, 8.3163, 84.5232



18.3902, 8.3163, 53.4593



23.7498, 8.3163, 19.5676

Triad

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



18.3902, 8.3163, 53.4593



11.0203, 8.3163, 0.0000



1.3717, 8.3163, 19.8995

Complementary

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



18.3902, 8.3163, 53.4593



22.7138, 41.3491, 6.7840

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.



1.3660, 8.3163, 3.2020



18.3902, 8.3163, 53.4593



5.3857, 8.3163, 0.0000

Square

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



18.3902, 8.3163, 53.4593



18.3017, 8.3163, 0.0000



2.4302, 8.3163, 0.0000



2.4533, 8.3163, 53.9328

Rectangle

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



18.3902, 8.3163, 53.4593



24.4151, 8.3163, 6.5225



2.4302, 8.3163, 0.0000



1.2701, 8.3163, 12.1706

Sweetspot

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



18.3907, 8.3165, 53.4595



65.6394, 55.5347, 101.8674



12.6294, 9.1338, 53.9209



13.3425, 10.8665, 21.6442



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.



18.3907, 8.3165, 53.4595



32.6496, 14.7464, 95.7332



30.6677, 14.9270, 41.3180



10.6874, 10.6126, 13.4026



12.1911, 5.5190, 35.1671



0.6552, 0.3015, 1.6688

Inverse Universe

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



24.2286, 12.3514, 7.4100



43.2824, 22.0770, 12.6851



20.1208, 39.9945, 7.4690



10.7937, 10.7009, 11.8967



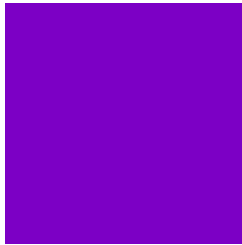
15.9734, 8.1389, 5.0699



0.7913, 0.3993, 0.4239

Previews

White Background



This preview shows how the XYZ color 18.3902, 8.3163, 53.4593 looks on a white background.

Color Contrast Check

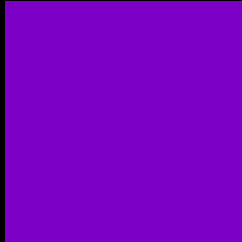
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 18.3902, 8.3163, 53.4593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

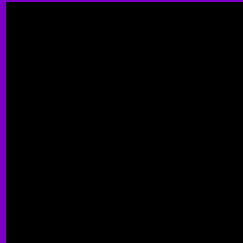
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3902, 8.3163, 53.4593

Background



This preview shows how black text looks on a background with the XYZ color 18.3902, 8.3163, 53.4593.



This preview shows how white text looks on a background with the XYZ color 18.3902, 8.3163,

53.4593.

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

18.3902, 8.3163, 53.4593

Protanopia

10.1981, 8.7871, 39.1888

Deuteranopia

8.5942, 8.7622, 28.8421



Tritanopia

9.6947, 8.7571, 9.3629

Trichromacy



Original Color

18.3902, 8.3163, 53.4593



Protanomaly

10.5484, 6.3092, 43.8418



Deuteranomaly

9.2399, 6.0069, 36.2698



Tritanomaly

11.1668, 6.9669, 19.8250

Monochromacy



Original Color

18.3902, 8.3163, 53.4593



Achromatopsia

4.2949, 4.5186, 4.9208



Achromatomaly

7.0749, 4.3510, 15.2188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3902, 8.3163, 53.4593 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(124, 0, 197)` looks like.

```
.text, #text, p{  
    color:rgb(124, 0, 197)  
}
```

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(124, 0, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 0, 197) }
```

Border

The CSS property to change the border of an element to XYZ 18.3902, 8.3163, 53.4593 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(124, 0, 197) }
```


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

```
.border{ border-color:rgb(124, 0, 197) }
```

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

Here you see how a box with a 4 pixel rgb(124, 0, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 0, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 0, 197);  
box-shadow:4px 4px 4px 4px rgb(124, 0,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3902, 8.3163, 53.4593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 0, 197) }
```

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

```
.background{ background-color: rgb(124, 0,  
197) }
```

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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