

Converting Colors

XYZ(20.6626, 9.3573, 59.4605)

Have a look what the booklet for
XYZ(20.6626, 9.3573, 59.4605)
contains.

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Color

**XYZ(20.7782, 9.4105,
59.7528)**

Conversions

Conversions Part 1

Format	Color
Hex	8400CF
RGB	132, 0, 207
RGB Percent	52%, 0%, 81%
CMY	0.4823, 1.0000, 0.1882
CMYK	0.36, 1.00, 0.00, 0.19
HSL	278°, 100%, 41%
HSV	278°, 100%, 81%
XYZ	20.7782, 9.4105, 59.7528
YIQ	63.0660, 12.2250, 92.3610

Conversions

Conversions Part 2

Format	Color
R_{YB}	132, 0, 207
Decimal	8650959
CIE _{Lab}	36.76, 73.78, -72.77
CIE _{LCh}	37, 103.629, 315.393
Yxy	9.4105, 0.2310, 0.1046
Android (android.graphics.Color)	4286841039 (0xFF8400CF)
YUV	63.0660, 70.9595, 60.4551
Hunter-Lab	30.6765, 67.2198, -94.0135

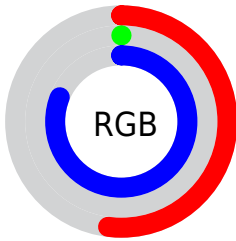
Details

The XYZ color **20.7782, 9.4105, 59.7528** is a dark color, and the websafe version is hex **9900CC**.

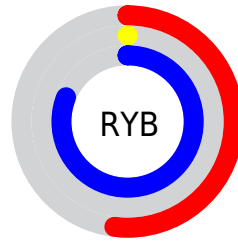
The color can be described as dark washed purple. A complement of this color would be **25.2143, 46.1216, 7.5734**, and the grayscale version is **4.6325, 4.8738, 5.3076**.

A 20% lighter version of the original color is **42.5842, 24.0184, 96.9993**, and **8.1844, 3.5740, 29.5366** is the 20% darker color. If you saturate the color by 10%, you get **20.7788, 9.4108, 59.7530**, and if you desaturate by 10%, it is **22.2569, 10.5628, 59.8975**.

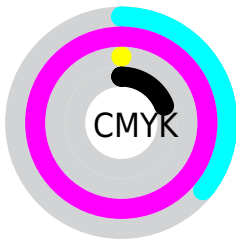
Distribution



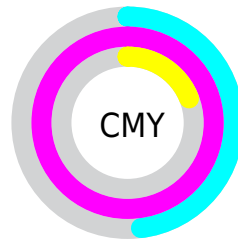
- Red (52%)
- Green (0%)
- Blue (81%)



- Red (52%)
- Yellow (0%)
- Blue (81%)



- Cyan (36%)
- Magenta (100%)
- Yellow (0%)
- Black (19%)



- Cyan (48%)
- Magenta (100%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7782, 9.4105, 59.7528 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 20.7782, 9.4105, 59.7528 by changing the saturation by 10% instead.

 20.7782, 9.4105,
59.7528


 20.7782, 9.4105,
59.7528


248.8515,
186.4114, 441.4653


 13.0735, 5.0099,
42.7954


 44.2122, 24.6806,
106.0108

 7.5565, 2.2531,
29.3944


 60.6722, 36.3190,
136.1486


 3.8619, 0.7487,
19.1313


 80.7813, 51.1387,
171.5169

 1.6243, 0.0000,
11.5874

 104.9049, 69.5241,
212.5343

 0.4082, 0.0000,
6.3443

 133.4084, 91.8597,
259.6192

 0.0000, 0.0000,
2.9834

 166.6571,

 0.0000, 0.0000,

118.5299, 313.1904

1.0862

205.0163,
149.9189, 373.6662

■ 0.0000, 0.0000,
0.0000

■ 20.7782, 9.4105,
59.7528

■ 20.7782, 9.4105,
59.7528

■ 20.7788, 9.4108,
59.7530

■ 22.2569, 10.5628,
59.8975

■ 24.1025, 12.3220,
60.1398

■ 26.4129, 14.8806,
60.5119

■ 29.2413, 18.3426,
61.0310

■ 32.6328, 22.7960,
61.7119

■ 36.6271, 28.3179,
62.5672

■ 41.2602, 34.9777,
63.6085

■ 46.5647, 42.8390,
64.8463

■ 52.5711, 51.9602,
66.2903

Harmonies

Analogous

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



12.5981, 9.4105, 94.6594



20.7782, 9.4105, 59.7528



26.7596, 9.4105, 21.8572

Triad

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



20.7782, 9.4105, 59.7528



12.3958, 9.4105, 0.0000



1.5766, 9.4105, 22.6346

Complementary

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



20.7782, 9.4105, 59.7528



25.2143, 46.1216, 7.5734

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.



1.5630, 9.4105, 3.7096



20.7782, 9.4105, 59.7528



6.0757, 9.4105, 0.0000

Square

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



20.7782, 9.4105, 59.7528



20.5710, 9.4105, 0.0000



2.7582, 9.4105, 0.0000



2.8126, 9.4105, 60.8593

Rectangle

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



20.7782, 9.4105, 59.7528



27.4740, 9.4105, 7.2953



2.7582, 9.4105, 0.0000



1.4588, 9.4105, 13.9023

Sweetspot

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



20.7788, 9.4108, 59.7530



65.8382, 55.6372, 101.8767



13.8401, 9.6601, 60.1669



13.3899, 10.8909, 21.6464



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.



20.7788, 9.4108, 59.7530



33.0750, 14.9657, 95.7532



33.9095, 16.5364, 44.2650



11.8781, 11.7860, 14.8925



13.1983, 5.9843, 37.6519



0.8232, 0.3786, 2.1092

Inverse Universe

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



27.0021, 13.7734, 7.8914



43.1888, 22.0395, 12.1920



22.5178, 44.7078, 8.5163



11.9832, 11.8780, 13.1874



17.0540, 8.6945, 5.1908



0.9912, 0.5012, 0.4883

Previews

White Background



This preview shows how the XYZ color 20.7782, 9.4105, 59.7528 looks on a white background.

Color Contrast Check

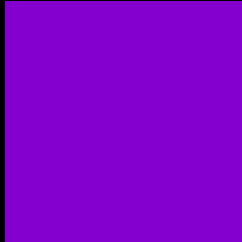
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7782, 9.4105, 59.7528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

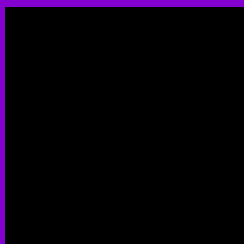
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.7782, 9.4105, 59.7528

Background



This preview shows how black text looks on a background with the XYZ color 20.7782, 9.4105, 59.7528.



This preview shows how white text looks on a background with the XYZ color 20.7782, 9.4105,

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

20.7782, 9.4105, 59.7528

Protanopia

11.5660, 9.9509, 44.4911

Deuteranopia

9.6575, 9.8487, 32.4023



Tritanopia

10.9694, 9.8242, 10.3349

Trichromacy



Original Color

20.7782, 9.4105, 59.7528



Protanomaly

11.8794, 7.0785, 49.4554



Deuteranomaly

10.3720, 6.7105, 40.7930



Tritanomaly

12.6608, 7.8766, 22.3258

Monochromacy



Original Color

20.7782, 9.4105, 59.7528



Achromatopsia

4.7246, 4.9707, 5.4130



Achromatomaly

7.8778, 4.8301, 16.7368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7782, 9.4105, 59.7528 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(132, 0, 207)` looks like.

```
.text, #text, p{  
    color:rgb(132, 0, 207)  
}
```

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(132, 0, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 0, 207) }
```

Border

The CSS property to change the border of an element to XYZ 20.7782, 9.4105, 59.7528 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(132, 0, 207) }
```


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

```
.border{ border-color:rgb(132, 0, 207) }
```

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

Here you see how a box with a 4 pixel rgb(132, 0, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 0, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 0, 207);  
box-shadow:4px 4px 4px 4px rgb(132, 0,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7782, 9.4105, 59.7528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 0, 207) }
```

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

```
.background{ background-color: rgb(132, 0,  
207) }
```

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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