

Converting Colors

XYZ(20.9214, 9.5263, 57.8628)

Have a look what the booklet for
XYZ(20.9214, 9.5263, 57.8628)
contains.

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Color

**XYZ(20.8908, 9.5105,
57.8614)**

Conversions

Conversions Part 1

Format	Color
Hex	8700CC
RGB	135, 0, 204
RGB Percent	53%, 0%, 80%
CMY	0.4706, 1.0000, 0.2000
CMYK	0.34, 1.00, 0.00, 0.20
HSL	280°, 100%, 40%
HSV	280°, 100%, 80%
XYZ	20.8908, 9.5105, 57.8614
YIQ	63.6210, 14.9760, 92.0640

Conversions

Conversions Part 2

Format	Color
RYB	135, 0, 204
Decimal	8847564
CIELab	36.95, 73.52, -70.71
CIElCh	37, 102.000, 316.117
Yxy	9.5105, 0.2367, 0.1078
Android (android.graphics.Color)	4287037644 (0xFF8700CC)
YUV	63.6210, 69.2068, 62.5994
Hunter-Lab	30.8391, 66.9498, -89.6546

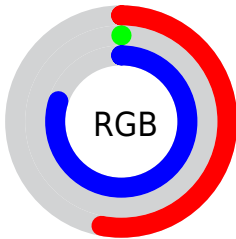
Details

The XYZ color **20.8908, 9.5105, 57.8614** is a dark color, and the websafe version is hex **9900CC**.

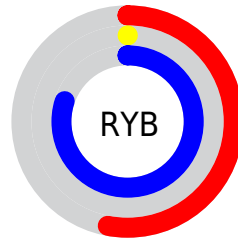
The color can be described as dark washed purple. A complement of this color would be **24.0470, 44.4510, 7.3125**, and the grayscale version is **4.7159, 4.9615, 5.4031**.

A 20% lighter version of the original color is **43.0941, 24.2813, 97.0232**, and **8.2469, 3.6340, 28.2837** is the 20% darker color. If you saturate the color by 10%, you get **20.8914, 9.5108, 57.8616**, and if you desaturate by 10%, it is **22.2951, 10.6164, 58.0011**.

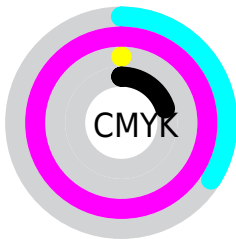
Distribution



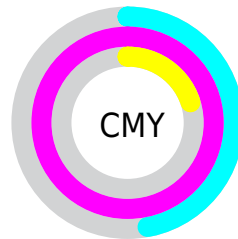
- Red (53%)
- Green (0%)
- Blue (80%)



- Red (53%)
- Yellow (0%)
- Blue (80%)



- Cyan (34%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)




- Cyan (47%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.8908, 9.5105, 57.8614 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 20.8908, 9.5105, 57.8614 by changing the saturation by 10% instead.


 20.8908, 9.5105,
57.8614


 20.8908, 9.5105,
57.8614


249.4403,
187.1418, 434.2531


 13.1562, 5.0756,
41.2833


 44.3984, 24.8706,
103.2338


 7.6139, 2.2917,
28.2191


 60.9021, 36.5647,
132.8651


 3.8986, 0.7693,
18.2504


 81.0595, 51.4473,
167.6846

 1.6450, 0.0000,
10.9586

 105.2360, 69.9028,
208.1108

 0.4214, 0.0000,
5.9252

 133.7970, 92.3156,
254.5621

 0.0000, 0.0000,
2.7316

 167.1078,

 0.0000, 0.0000,

119.0701, 307.4573

0.9593

205.5338,
150.5507, 367.2148

■ 0.0000, 0.0000,
0.0000

■ 20.8908, 9.5105,
57.8614

■ 20.8908, 9.5105,
57.8614

■ 20.8914, 9.5108,
57.8616

■ 22.2951, 10.6164,
58.0011

■ 24.0437, 12.3028,
58.2344

■ 26.2314, 14.7568,
58.5928

■ 28.9093, 18.0787,
59.0928

■ 32.1206, 22.3531,
59.7486

■ 35.9034, 27.6542,
60.5725

■ 40.2918, 34.0489,
61.5755

■ 45.3174, 41.5983,
62.7678

■ 51.0090, 50.3587,
64.1587

Harmonies

Analogous

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



12.8386, 9.5105, 92.3003



20.8908, 9.5105, 57.8614



26.6481, 9.5105, 21.1157

Triad

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



20.8908, 9.5105, 57.8614



12.2704, 9.5105, 0.0000



1.6797, 9.5105, 23.2884

Complementary

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



20.8908, 9.5105, 57.8614



24.0470, 44.4510, 7.3125

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.



1.6402, 9.5105, 4.0602



20.8908, 9.5105, 57.8614



6.0751, 9.5105, 0.0000

Square

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



20.8908, 9.5105, 57.8614



20.3121, 9.5105, 0.0000



2.8158, 9.5105, 0.0000



2.9721, 9.5105, 60.9274

Rectangle

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



20.8908, 9.5105, 57.8614



27.2384, 9.5105, 7.0795



2.8158, 9.5105, 0.0000



1.5506, 9.5105, 14.5119

Sweetspot

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



20.8914, 9.5108, 57.8616



66.4235, 55.9389, 101.9041



13.1779, 8.9172, 58.1536



13.5297, 10.9630, 21.6529



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.



20.8914, 9.5108, 57.8616



34.3595, 15.6278, 95.8133



32.4836, 15.8701, 41.0897



11.3047, 11.2064, 14.1376



13.2519, 6.0392, 36.4235



0.7626, 0.3522, 1.8827

Inverse Universe

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



25.9760, 13.2671, 6.8214



42.9296, 21.9359, 10.8275



21.8350, 43.2827, 8.4724



11.3663, 11.2752, 12.4634



16.3888, 8.3661, 4.5001



0.8808, 0.4457, 0.4182

Previews

White Background



This preview shows how the XYZ color 20.8908, 9.5105, 57.8614 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

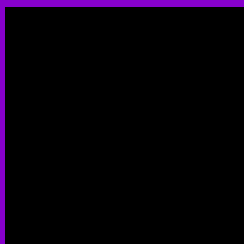
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.8908, 9.5105, 57.8614

Background



This preview shows how black text looks on a background with the XYZ color 20.8908, 9.5105, 57.8614.



This preview shows how white text looks on a background with the XYZ color 20.8908, 9.5105,

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

20.8908, 9.5105, 57.8614

Protanopia

11.6683, 9.9918, 45.0297

Deuteranopia

9.8269, 9.9165, 33.2944



Tritanopia

11.3584, 9.9199, 10.1202

Trichromacy



Original Color

20.8908, 9.5105, 57.8614



Protanomaly

11.8181, 7.0595, 48.8838



Deuteranomaly

10.4197, 6.7351, 40.7952



Tritanomaly

13.0314, 8.0176, 21.6296

Monochromacy



Original Color

20.8908, 9.5105, 57.8614



Achromatopsia

4.8732, 5.1269, 5.5832



Achromatomaly

8.1039, 4.9973, 16.7571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8908, 9.5105, 57.8614 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(135, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(135, 0, 204)  
}
```

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(135, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 0, 204) }
```

Border

The CSS property to change the border of an element to XYZ 20.8908, 9.5105, 57.8614 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(135, 0, 204) }
```


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

```
.border{ border-color:rgb(135, 0, 204) }
```

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

Here you see how a box with a 4 pixel rgb(135, 0, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(135, 0,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8908, 9.5105, 57.8614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 0, 204) }
```

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

```
.background{ background-color: rgb(135, 0,  
204) }
```

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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