

Converting Colors

XYZ(20.2613, 9.3506, 55.7214)

Have a look what the booklet for
XYZ(20.2613, 9.3506, 55.7214)
contains.

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Color

**XYZ(20.2915, 9.3555,
55.9947)**

Conversions

Conversions Part 1

Format	Color
Hex	8507C9
RGB	133, 7, 201
RGB Percent	52%, 3%, 79%
CMY	0.4784, 0.9726, 0.2118
CMYK	0.34, 0.97, 0.00, 0.21
HSL	279°, 93%, 41%
HSV	279°, 97%, 79%
XYZ	20.2915, 9.3555, 55.9947
YIQ	66.7900, 12.8220, 87.0460

Conversions

Conversions Part 2

Format	Color
R_{YB}	133, 7, 201
Decimal	8718281
CIE _{Lab}	36.66, 71.85, -69.44
CIE _{LCh}	37, 99.924, 315.976
Yxy	9.3555, 0.2369, 0.1092
Android (android.graphics.Color)	4286908361 (0xFF8507C9)
YUV	66.7900, 66.1655, 58.0662
Hunter-Lab	30.5868, 64.8915, -87.1305

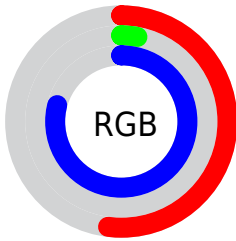
Details

The XYZ color **20.2915, 9.3555, 55.9947** is a dark color, and the websafe version is hex **9900CC**.

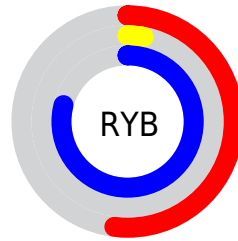
The color can be described as dark washed purple. A complement of this color would be **23.8263, 43.2844, 7.2999**, and the grayscale version is **5.2001, 5.4709, 5.9578**.

A 20% lighter version of the original color is **42.7307, 24.3113, 97.0481**, and **8.0123, 3.5312, 27.4534** is the 20% darker color. If you saturate the color by 10%, you get **19.8333, 9.0066, 55.9517**, and if you desaturate by 10%, it is **21.7602, 10.5851, 56.1548**.

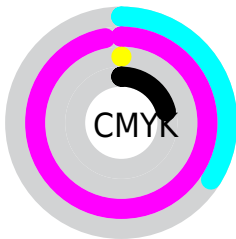
Distribution



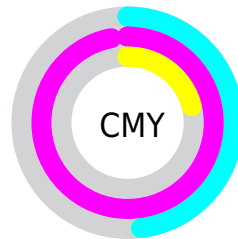
- Red (52%)
- Green (3%)
- Blue (79%)



- Red (52%)
- Yellow (3%)
- Blue (79%)



- Cyan (34%)
- Magenta (97%)
- Yellow (0%)
- Black (21%)



- Cyan (48%)
- Magenta (97%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2915, 9.3555, 55.9947 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 20.2915, 9.3555, 55.9947 by changing the saturation by 10% instead.

■ 20.2915, 9.3555,
55.9947

■ 20.2915, 9.3555,
55.9947

246.2924,
186.0082, 427.0593

■ 12.7166, 4.9738,
39.7947

■ 43.4056, 24.5760,
100.4825

■ 7.3093, 2.2319,
27.0659

■ 59.6755, 36.1836,
129.6075

■ 3.7043, 0.7373,
17.3899

■ 79.5745, 50.9685,
163.8778

■ 1.5363, 0.0000,
10.3480

■ 103.4678, 69.3153,
203.7121

■ 0.3503, 0.0000,
5.5217

■ 131.7209, 91.6082,
249.5288

■ 0.0000, 0.0000,
2.4924

■ 164.6992,

■ 0.0000, 0.0000,

118.2318, 301.7466

0.8361

202.7679,
149.5703, 360.7839

■ 0.0000, 0.0000,
0.0000

■ 20.2915, 9.3555,
55.9947

■ 20.2915, 9.3555,
55.9947

■ 19.8333, 9.0066,
55.9517

■ 21.7602, 10.5851,
56.1548

■ 23.6165, 12.4776,
56.4223

■ 25.9203, 15.1505,
56.8168

■ 28.7181, 18.6942,
57.3533

■ 32.0495, 23.1864,
58.0448

■ 35.9501, 28.6963,
58.9028

■ 40.4519, 35.2860,
59.9374

■ 45.5845, 43.0130,
61.1584

■ 51.3753, 51.9304,
62.5744

Harmonies

Analogous

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



12.5319, 9.3555, 88.7974



20.2915, 9.3555, 55.9947



25.8449, 9.3555, 20.7033

Triad

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



20.2915, 9.3555, 55.9947



12.0522, 9.3555, 0.0000



1.7062, 9.3555, 22.5310

Complementary

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



20.2915, 9.3555, 55.9947



23.8263, 43.2844, 7.2999

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.



1.6720, 9.3555, 4.0169



20.2915, 9.3555, 55.9947



6.0356, 9.3555, 0.0000

Square

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



20.2915, 9.3555, 55.9947



19.8049, 9.3555, 0.0000



2.8388, 9.3555, 0.0000



2.9730, 9.3555, 58.5572

Rectangle

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



20.2915, 9.3555, 55.9947



26.4321, 9.3555, 7.0707



2.8388, 9.3555, 0.0000



1.5798, 9.3555, 14.1049

Sweetspot

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



20.2920, 9.3558, 55.9949



66.9230, 56.9594, 102.0748



13.3640, 9.7298, 56.4323



13.6113, 11.1483, 21.6844



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.



20.2920, 9.3558, 55.9949



33.6972, 15.2864, 95.7823



31.9144, 15.6699, 41.9687



10.7084, 10.6234, 13.4036



12.5726, 5.7157, 35.1849



0.6715, 0.3099, 1.6696

Inverse Universe

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



25.4333, 13.0774, 7.8393



43.0590, 21.9876, 11.5088



21.2470, 41.9277, 8.4019



10.7848, 10.6973, 11.8501



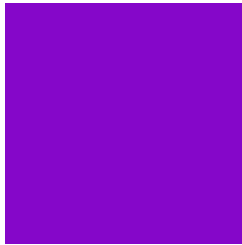
15.8888, 8.1051, 4.6242



0.7867, 0.3975, 0.3998

Previews

White Background



This preview shows how the XYZ color 20.2915, 9.3555, 55.9947 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

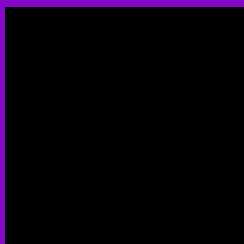
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.2915, 9.3555, 55.9947

Background



This preview shows how black text looks on a background with the XYZ color 20.2915, 9.3555, 55.9947.



This preview shows how white text looks on a background with the XYZ color 20.2915, 9.3555,

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

20.2915, 9.3555, 55.9947

Protanopia

11.3852, 9.7517, 43.9300

Deuteranopia

9.4889, 9.6454, 31.9335



Tritanopia

11.1178, 9.6926, 9.8792

Trichromacy



Original Color

20.2915, 9.3555, 55.9947

Protanomaly

11.6517, 7.1425, 47.7782

Deuteranomaly

10.1855, 6.8004, 39.3038

Tritanomaly

12.8496, 8.0716, 20.9594

Monochromacy



Original Color

20.2915, 9.3555, 55.9947

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

8.4052, 5.3619, 17.1149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2915, 9.3555, 55.9947 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(133, 7, 201)` looks like.

```
.text, #text, p{  
    color:rgb(133, 7, 201)  
}
```

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(133, 7, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 7, 201) }
```

Border

The CSS property to change the border of an element to XYZ 20.2915, 9.3555, 55.9947 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(133, 7, 201) }
```


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

```
.border{ border-color:rgb(133, 7, 201) }
```

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

Here you see how a box with a 4 pixel rgb(133, 7, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 7, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 7, 201);  
box-shadow:4px 4px 4px 4px rgb(133, 7,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2915, 9.3555, 55.9947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 7, 201) }
```

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

```
.background{ background-color: rgb(133, 7,  
201) }
```

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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