

Converting Colors

XYZ(20.4661, 9.0690, 67.8763)

Have a look what the booklet for
XYZ(20.4661, 9.0690, 67.8763)
contains.

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Color

**XYZ(20.3939, 9.0364,
67.6872)**

Conversions

Conversions Part 1

Format	Color
Hex	7700DB
RGB	119, 0, 219
RGB Percent	47%, 0%, 86%
CMY	0.5333, 1.0000, 0.1412
CMYK	0.46, 1.00, 0.00, 0.14
HSL	273°, 100%, 43%
HSV	273°, 100%, 86%
XYZ	20.3939, 9.0364, 67.6872
YIQ	60.5470, 0.6250, 93.3370

Conversions

Conversions Part 2

Format	Color
R_{YB}	119, 0, 219
Decimal	7799003
CIE _{Lab}	36.05, 74.96, -80.94
CIE _{LCh}	36, 110.323, 312.803
Yxy	9.0364, 0.2100, 0.0930
Android (android.graphics.Color)	4285989083 (0xFF7700DB)
YUV	60.5470, 78.1173, 51.2633
Hunter-Lab	30.0606, 68.4930, -112.4603

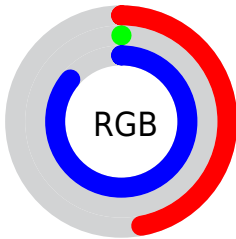
Details

The XYZ color **20.3939, 9.0364, 67.6872** is a dark color, and the websafe version is hex **6600CC**.

The color can be described as dark washed purple. A complement of this color would be **30.5867, 53.3724, 8.6898**, and the grayscale version is **4.2659, 4.4881, 4.8875**.

A 20% lighter version of the original color is **39.5968, 22.3721, 96.8390**, and **7.9378, 3.3387, 34.4085** is the 20% darker color. If you saturate the color by 10%, you get **20.3946, 9.0367, 67.6875**, and if you desaturate by 10%, it is **22.1251, 10.3519, 67.8501**.

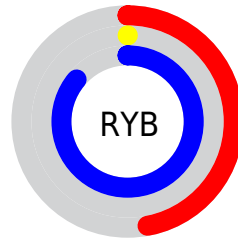
Distribution



Red (47%)

Green (0%)

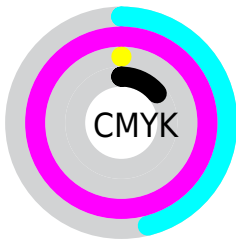
Blue (86%)



Red (47%)

Yellow (0%)

Blue (86%)

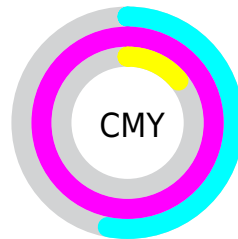


Cyan (46%)

Magenta (100%)

Yellow (0%)

Black (14%)



Cyan (53%)

Magenta (100%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3939, 9.0364, 67.6872 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 20.3939, 9.0364, 67.6872 by changing the saturation by 10% instead.

■ 20.3939, 9.0364,
67.6872

■ 20.3939, 9.0364,
67.6872

246.8327,
183.6492, 470.9549

■ 12.7916, 4.7649,
49.1782

■ 43.5755, 23.9665,
117.5545

■ 7.3612, 2.1100,
34.3943

■ 59.8856, 35.3940,
149.7499

■ 3.7373, 0.6702,
22.9168

■ 79.8289, 49.9756,
187.3446

■ 1.5546, 0.0000,
14.3274

■ 103.7710, 68.0957,
230.7569

■ 0.3626, 0.0000,
8.2074

■ 132.0770, 90.1387,
280.4056

■ 0.0000, 0.0000,
4.1383

■ 165.1124,

■ 0.0000, 0.0000,

116.4891, 336.7092

1.7015

203.2425,
147.5311, 400.0861

0.0000, 0.0000,
0.3618

0.0000, 0.0000,
0.0000

20.3939, 9.0364,
67.6872

20.3939, 9.0364,
67.6872

20.3946, 9.0367,
67.6875

22.1251, 10.3519,
67.8501

24.3275, 12.3903,
68.1275

27.1120, 15.3658,
68.5551

30.5418, 19.3997,
69.1529

■ 34.6711, 24.5941,
69.9379

■ 39.5472, 31.0388,
70.9248

■ 45.2133, 38.8144,
72.1271

■ 51.7087, 47.9948,
73.5567

■ 59.0700, 58.6480,
75.2250

Harmonies

Analogous

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



11.7135, 9.0364, 104.5783



20.3939, 9.0364, 67.6872



27.2668, 9.0364, 24.9374

Triad

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



20.3939, 9.0364, 67.6872



12.9054, 9.0364, 0.0000



1.2113, 9.0364, 20.2692

Complementary

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



20.3939, 9.0364, 67.6872



30.5867, 53.3724, 8.6898

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.



1.2807, 9.0364, 2.5381



20.3939, 9.0364, 67.6872



6.0760, 9.0364, 0.0000

Square

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



20.3939, 9.0364, 67.6872



21.6407, 9.0364, 0.0000



2.5361, 9.0364, 0.0000



2.2436, 9.0364, 60.8196

Rectangle

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



20.3939, 9.0364, 67.6872



28.4749, 9.0364, 8.1690



2.5361, 9.0364, 0.0000



1.1319, 9.0364, 11.7226

Sweetspot

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



20.3946, 9.0367, 67.6875



63.6064, 54.4867, 101.7723



17.5573, 14.6566, 68.9218



12.8591, 10.6173, 21.6215



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.



20.3946, 9.0367, 67.6875



28.6252, 12.6717, 95.5449



41.0594, 19.7985, 63.7468



13.0114, 12.9640, 16.4687



12.2208, 5.4242, 40.1413



0.8906, 0.4024, 2.6052

Inverse Universe

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



31.5136, 15.9802, 13.4792



44.4177, 22.5311, 18.6635



25.3716, 50.6793, 8.6545



13.3020, 13.1499, 14.8518



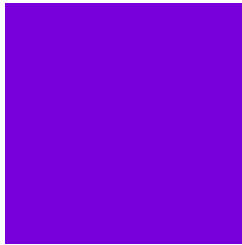
18.7398, 9.4970, 8.2760



1.2572, 0.6325, 0.7633

Previews

White Background



This preview shows how the XYZ color 20.3939, 9.0364, 67.6872 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

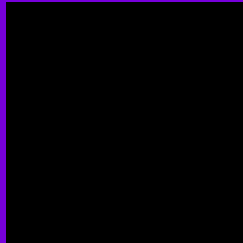
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.3939, 9.0364, 67.6872

Background



This preview shows how black text looks on a background with the XYZ color 20.3939, 9.0364, 67.6872.



This preview shows how white text looks on a background with the XYZ color 20.3939, 9.0364,

67.6872.

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

20.3939, 9.0364, 67.6872

Protanopia

11.0068, 9.4752, 42.3231

Deuteranopia

9.1583, 9.3791, 30.6058



Tritanopia

9.2048, 9.3444, 11.4437

Trichromacy



Original Color

20.3939, 9.0364, 67.6872

Protanomaly

11.7838, 6.8656, 50.5733

Deuteranomaly

10.2959, 6.5744, 41.8006

Tritanomaly

11.0522, 7.1260, 24.8377

Monochromacy



Original Color

20.3939, 9.0364, 67.6872

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.4752, 4.5529, 17.6243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3939, 9.0364, 67.6872 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(119, 0, 219)` looks like.

```
.text, #text, p{  
    color:rgb(119, 0, 219)  
}
```

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(119, 0, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 0, 219) }
```

Border

The CSS property to change the border of an element to XYZ 20.3939, 9.0364, 67.6872 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(119, 0, 219) }
```


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

```
.border{ border-color:rgb(119, 0, 219) }
```

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

Here you see how a box with a 4 pixel rgb(119, 0, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 0, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 0, 219);  
box-shadow:4px 4px 4px 4px rgb(119, 0,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3939, 9.0364, 67.6872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 0, 219) }
```

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

```
.background{ background-color: rgb(119, 0,  
219) }
```

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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