

Converting Colors

XYZ(20.0999, 8.2768, 95.1459)

Have a look what the booklet for
XYZ(20.0999, 8.2768, 95.1459)
contains.

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Color

**XYZ(20.0999, 8.2768,
95.1459)**

Conversions

Conversions Part 1

Format	Color
Hex	3F00FF
RGB	63, 0, 255
RGB Percent	25%, 0%, 100%
CMY	0.7529, 1.0000, 0.0000
CMYK	0.75, 1.00, 0.00, 0.00
HSL	255°, 100%, 50%
HSV	255°, 100%, 100%
XYZ	20.0999, 8.2768, 95.1459
YIQ	47.9070, -44.3070, 92.6610

Conversions

Conversions Part 2

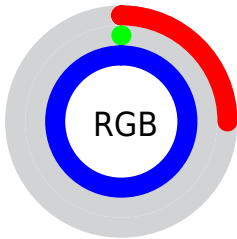
Format	Color
RYB	63, 0, 255
Decimal	4129023
CIELab	34.55, 79.99, -104.05
CIELCh	35, 131.241, 307.552
Yxy	8.2768, 0.1627, 0.0670
Android (android.graphics.Color)	4282319103 (0xFF3F00FF)
YUV	47.9070, 102.0968, 13.2366
Hunter-Lab	28.7694, 74.3634, -175.9446

Details

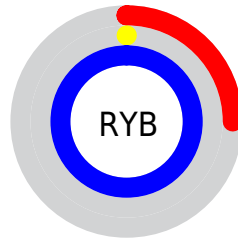
The XYZ color **20.0999, 8.2768, 95.1459** is a dark color, and the websafe version is hex **3300FF**, and the color name is **electric ultramarine**. The color can be described as dark saturated blue. A complement of this color would be **57.4946, 82.7246, 12.9372**, and the grayscale version is **2.6970, 2.8375, 3.0900**.

A 20% lighter version of the original color is **31.7214, 18.0029, 96.4108**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **20.1008, 8.2772, 95.1460**, and if you desaturate by 10%, it is **21.9066, 9.7402, 95.3332**.

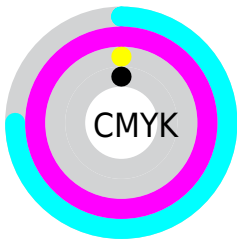
Distribution



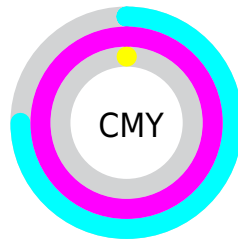
- Red (25%)
- Green (0%)
- Blue (100%)



- Red (25%)
- Yellow (0%)
- Blue (100%)



- Cyan (75%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)




- Cyan (75%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0999, 8.2768, 95.1459 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 20.0999, 8.2768, 95.1459 by changing the saturation by 10% instead.


 20.0999, 8.2768,
95.1459


 20.0999, 8.2768,
95.1459


245.2787,
177.8872, 565.6282


 12.5764, 4.2726,
71.6589


 43.0873, 22.4993,
156.4635


 7.2125, 1.8272,
52.3949


 59.2818, 33.4864,
195.1311


 3.6428, 0.5040,
36.9355


 79.0974, 47.5699,
239.6959

 1.5021, 0.0000,
24.8622

 102.8994, 65.1342,
290.5766

 0.3273, 0.0000,
15.7563

 131.0532, 86.5637,
348.1917

 0.0000, 0.0000,
9.1994


 163.9241,


 0.0000, 0.0000,


112.2427, 412.9596


4.7729


 201.8775,
142.5558, 485.2989

 0.0000, 0.0000,
2.0582


 0.0000, 0.0000,
0.5907


 20.0999, 8.2768,
95.1459


 20.0999, 8.2768,
95.1459

 20.1008, 8.2772,
95.1460

 21.9066, 9.7402,
95.3332

 24.6469, 12.3782,
95.6979

 28.4996, 16.4949,
96.2895

 33.5844, 22.2816,
97.1384

■ 40.0036, 29.8999,
98.2706

■ 47.8486, 39.4918,
99.7085

■ 57.2020, 51.1851,
101.4726

■ 68.1402, 65.0967,
103.5813

■ 80.7340, 81.3346,
106.0518

Harmonies

Analogous

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



9.8868, 8.2768, 139.5816



20.0999, 8.2768, 95.1459



29.6746, 8.2768, 35.2073

Triad

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



20.0999, 8.2768, 95.1459



14.6386, 8.2768, 0.0000



0.4597, 8.2768, 15.4910

Complementary

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



20.0999, 8.2768, 95.1459



57.4946, 82.7246, 12.9372

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.



0.6747, 8.2768, 0.6614



20.0999, 8.2768, 95.1459



6.1426, 8.2768, 0.0000

Square

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



20.0999, 8.2768, 95.1459



25.3739, 8.2768, 0.0000



1.9944, 8.2768, 0.0000



1.1221, 8.2768, 63.5601

Rectangle

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



20.0999, 8.2768, 95.1459



32.3286, 8.2768, 10.8650



1.9944, 8.2768, 0.0000



0.4348, 8.2768, 7.3827

Sweetspot

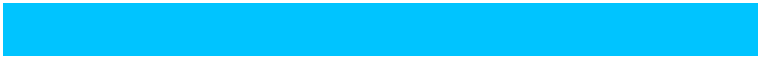
The Sweet Spot groups the original color and five complimentary colors.



20.1008, 8.2772, 95.1460



57.2020, 51.1851, 101.4726



37.6773, 46.4747, 101.5924



11.3591, 9.8440, 21.5513



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.



20.1008, 8.2772, 95.1460



38.5435, 17.7848, 96.0091



17.4234, 17.5945, 22.7277



10.6159, 4.3832, 49.7211



1.1278, 0.4753, 4.8456

Inverse Universe

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



50.7528, 25.0651, 52.0239



38.1439, 72.7489, 12.0316



18.5895, 18.2191, 21.7217



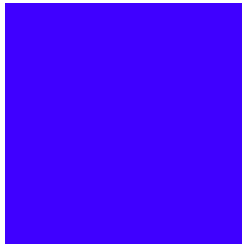
26.5820, 13.1221, 27.5130



2.6316, 1.2950, 2.9072

Previews

White Background



This preview shows how the XYZ color 20.0999, 8.2768, 95.1459 looks on a white background.

Color Contrast Check

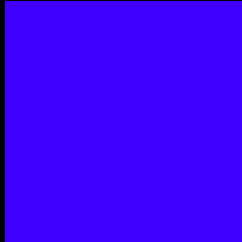
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0999, 8.2768, 95.1459 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 20.0999, 8.2768, 95.1459

Background



This preview shows how black text looks on a background with the XYZ color 20.0999, 8.2768, 95.1459.



This preview shows how white text looks on a background with the XYZ color 20.0999, 8.2768,

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

20.0999, 8.2768, 95.1459

Protanopia

9.6789, 8.3451, 37.1770

Deuteranopia

8.0562, 8.4201, 26.3999



Tritanopia

5.8524, 8.3267, 12.3651

Trichromacy



Original Color

20.0999, 8.2768, 95.1459

Protanomaly

11.6870, 6.5406, 54.0726

Deuteranomaly

10.1160, 6.1979, 44.9191

Tritanomaly

7.6991, 5.5414, 31.2357

Monochromacy



Original Color

20.0999, 8.2768, 95.1459

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

5.5333, 3.1669, 19.0585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0999, 8.2768, 95.1459 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(63, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(63, 0, 255)  
}
```

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(63, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 20.0999, 8.2768, 95.1459 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(63, 0, 255) }
```

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

```
.border{ border-color:rgb(63, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(63, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(63, 0, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.0999, 8.2768, 95.1459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 0, 255) }
```

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

```
.background{ background-color: rgb(63, 0,  
255) }
```

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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