

Converting Colors

XYZ(19.0765, 7.7492, 95.0980)

Have a look what the booklet for
XYZ(19.0765, 7.7492, 95.0980)
contains.

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Color

**XYZ(19.0887, 7.7555,
95.0986)**

Conversions

Conversions Part 1

Format	Color
Hex	2C00FF
RGB	44, 0, 255
RGB Percent	17%, 0%, 100%
CMY	0.8274, 1.0000, 0.0000
CMYK	0.83, 1.00, 0.00, 0.00
HSL	250°, 100%, 50%
HSV	250°, 100%, 100%
XYZ	19.0887, 7.7555, 95.0986
YIQ	42.2260, -55.6310, 88.6330

Conversions

Conversions Part 2

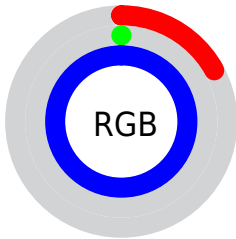
Format	Color
R _Y B	44, 0, 255
Decimal	2883839
CIE Lab	33.47, 79.58, -105.89
CIE LCh	33, 132.458, 306.928
Yxy	7.7555, 0.1565, 0.0636
Android (android.graphics.Color)	4281073919 (0xFF2C00FF)
YUV	42.2260, 104.8976, 1.5558
Hunter-Lab	27.8487, 73.6164, -182.9712

Details

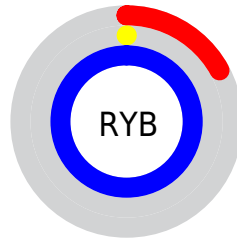
The XYZ color **19.0887, 7.7555, 95.0986** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **62.6178, 85.3657, 13.1769**, and the grayscale version is **2.1313, 2.2423, 2.4418**.

A 20% lighter version of the original color is **29.9483, 16.8906, 96.2895**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **19.0896, 7.7559, 95.0987**, and if you desaturate by 10%, it is **20.5963, 9.0647, 95.2719**.

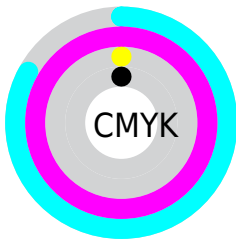
Distribution



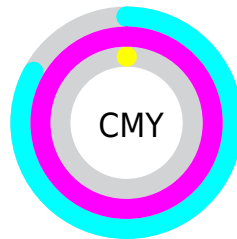
- Red (17%)
- Green (0%)
- Blue (100%)



- Red (17%)
- Yellow (0%)
- Blue (100%)



- Cyan (83%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)



- Cyan (83%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0887, 7.7555, 95.0986 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 19.0887, 7.7555, 95.0986 by changing the saturation by 10% instead.


 19.0887, 7.7555,
95.0986


 19.0887, 7.7555,
95.0986


239.8667,
173.8015, 565.4730


 11.8388, 3.9389,
71.6197


 41.3996, 21.4777,
156.3976


 6.7054, 1.6394,
52.3631


 57.1914, 32.1521,
195.0547


 3.3232, 0.3840,
36.9104


 76.5611, 45.8812,
239.6084

 1.3269, 0.0000,
24.8429

 99.8741, 63.0495,
290.4771

 0.2032, 0.0000,
15.7421

 127.4958, 84.0412,
348.0793

 0.0000, 0.0000,
9.1894


 159.7916,


 0.0000, 0.0000,

109.2409, 412.8337

4.7665


 197.1268,
139.0329, 485.1587


 0.0000, 0.0000,
2.0546


 0.0000, 0.0000,
0.5885


 19.0887, 7.7555,
95.0986


 19.0887, 7.7555,
95.0986

 19.0896, 7.7559,
95.0987

 20.5963, 9.0647,
95.2719

 23.0916, 11.5764,
95.6251

 26.7704, 15.6034,
96.2085

 31.7657, 21.3440,
97.0533

■ 38.1919, 28.9659,
98.1858

■ 46.1507, 38.6165,
99.6291

■ 55.7340, 50.4283,
101.4039

■ 67.0267, 64.5226,
103.5292

■ 80.1074, 81.0116,
106.0224

Harmonies

Analogous

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



9.1556, 7.7555, 138.6553



19.0887, 7.7555, 95.0986



28.6094, 7.7555, 35.1502

Triad

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



19.0887, 7.7555, 95.0986



14.1720, 7.7555, 0.0000



0.3117, 7.7555, 14.1344

Complementary

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



19.0887, 7.7555, 95.0986



62.6178, 85.3657, 13.1769

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.



0.5468, 7.7555, 0.4051



19.0887, 7.7555, 95.0986



5.8354, 7.7555, 0.0000

Square

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



19.0887, 7.7555, 95.0986



24.7092, 7.7555, 0.0000



1.8150, 7.7555, 0.0000



0.9404, 7.7555, 60.9976

Rectangle

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



19.0887, 7.7555, 95.0986



31.3580, 7.7555, 10.7334



1.8150, 7.7555, 0.0000



0.2928, 7.7555, 6.5065

Sweetspot

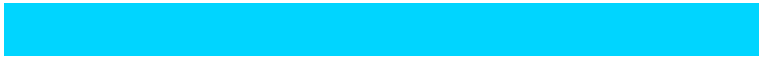
The Sweet Spot groups the original color and five complimentary colors.



19.0896, 7.7559, 95.0987



55.7340, 50.4283, 101.4039



41.7187, 54.5573, 102.9396



11.0209, 9.6697, 21.5355



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.



19.0896, 7.7559, 95.0987



34.6276, 15.7660, 95.8258



17.2953, 17.5284, 22.7217



10.0592, 4.0962, 49.6951



1.0564, 0.4385, 4.8422

Inverse Universe

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



52.9952, 25.9621, 63.8319



39.5063, 73.4513, 12.0953



18.6501, 18.2434, 22.0407



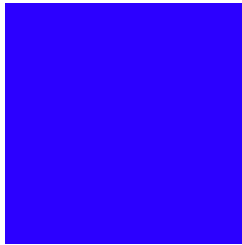
27.7405, 13.5855, 33.6136



2.7349, 1.3363, 3.4512

Previews

White Background



This preview shows how the XYZ color 19.0887, 7.7555, 95.0986 looks on a white background.

Color Contrast Check

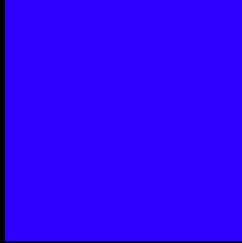
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0887, 7.7555, 95.0986 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 19.0887, 7.7555, 95.0986

Background



This preview shows how black text looks on a background with the XYZ color 19.0887, 7.7555, 95.0986.



This preview shows how white text looks on a background with the XYZ color 19.0887, 7.7555,

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

19.0887, 7.7555, 95.0986

Protanopia

9.0869, 7.8810, 34.7605

Deuteranopia

7.4612, 7.8122, 24.4072



Tritanopia

5.4215, 7.7522, 11.3358

Trichromacy



Original Color

19.0887, 7.7555, 95.0986

Protanomaly

11.1623, 6.2469, 52.2472

Deuteranomaly

9.5784, 5.8208, 43.2665

Tritanomaly

7.2138, 5.1729, 29.8964

Monochromacy



Original Color

19.0887, 7.7555, 95.0986

Achromatopsia

2.2007, 2.3153, 2.5214

Achromatomaly

4.7180, 2.6294, 17.7116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0887, 7.7555, 95.0986 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(44, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(44, 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(44, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 19.0887, 7.7555, 95.0986 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(44, 0, 255) }
```

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

```
.border{ border-color:rgb(44, 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(44, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(44, 0, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.0887, 7.7555, 95.0986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 0, 255) }
```

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

```
.background{ background-color: rgb(44, 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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