

Converting Colors

XYZ(19.2779, 7.8530, 95.1075)

Have a look what the booklet for
XYZ(19.2779, 7.8530, 95.1075)
contains.

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Color

**XYZ(19.2689, 7.8484,
95.1070)**

Conversions

Conversions Part 1

Format	Color
Hex	3000FF
RGB	48, 0, 255
RGB Percent	19%, 0%, 100%
CMY	0.8117, 1.0000, 0.0000
CMYK	0.81, 1.00, 0.00, 0.00
HSL	251°, 100%, 50%
HSV	251°, 100%, 100%
XYZ	19.2689, 7.8484, 95.1070
YIQ	43.4220, -53.2470, 89.4810

Conversions

Conversions Part 2

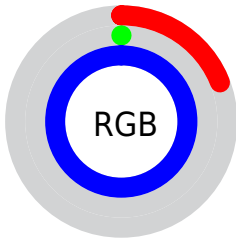
Format	Color
RYB	48, 0, 255
Decimal	3145983
CIELab	33.67, 79.65, -105.55
CIElCh	34, 132.234, 307.039
Yxy	7.8484, 0.1577, 0.0642
Android (android.graphics.Color)	4281336063 (0xFF3000FF)
YUV	43.4220, 104.3080, 4.0149
Hunter-Lab	28.0150, 73.7472, -181.6708

Details

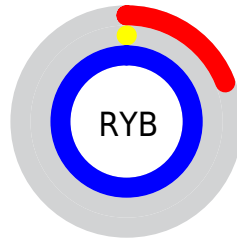
The XYZ color **19.2689, 7.8484, 95.1070** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **61.4867, 84.7826, 13.1240**, and the grayscale version is **2.2439, 2.3608, 2.5709**.

A 20% lighter version of the original color is **30.2641, 17.0534, 96.3043**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **19.2698, 7.8488, 95.1071**, and if you desaturate by 10%, it is **20.8427, 9.1917, 95.2834**.

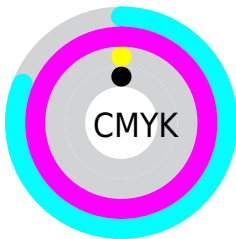
Distribution



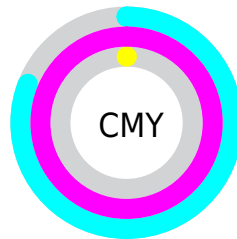
- Red (19%)
- Green (0%)
- Blue (100%)



- Red (19%)
- Yellow (0%)
- Blue (100%)



- Cyan (81%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)



- Cyan (81%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2689, 7.8484, 95.1070 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 19.2689, 7.8484, 95.1070 by changing the saturation by 10% instead.

■ 19.2689, 7.8484,
95.1070

■ 19.2689, 7.8484,
95.1070

240.8390,
174.5381, 565.5006

■ 11.9699, 3.9981,
71.6267

■ 41.7014, 21.6607,
156.4093

■ 6.7952, 1.6725,
52.3688

■ 57.5655, 32.3915,
195.0683

■ 3.3796, 0.4058,
36.9148

■ 77.0154, 46.1846,
239.6239

■ 1.3575, 0.0000,
24.8463

■ 100.4165, 63.4243,
290.4947

■ 0.2257, 0.0000,
15.7446

■ 128.1340, 84.4952,
348.0993


■ 0.0000, 0.0000,
9.1912


■ 160.5333,


■ 0.0000, 0.0000,


109.7815, 412.8561

4.7676


 197.9799,
139.6676, 485.1836

 0.0000, 0.0000,
2.0552


 0.0000, 0.0000,
0.5889


 19.2689, 7.8484,
95.1070


 19.2689, 7.8484,
95.1070

 19.2698, 7.8488,
95.1071

 20.8427, 9.1917,
95.2834

 23.3936, 11.7321,
95.6393

 27.1136, 15.7803,
96.2246

 32.1323, 21.5330,
97.0705

■ 38.5614, 29.1564,
98.2031

■ 46.5001, 38.7966,
99.6454

■ 56.0384, 50.5852,
101.4181

■ 67.2589, 64.6423,
103.5400

■ 80.2388, 81.0793,
106.0286

Harmonies

Analogous

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



9.2852, 7.8484, 138.8196



19.2689, 7.8484, 95.1070



28.7999, 7.8484, 35.1618

Triad

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



19.2689, 7.8484, 95.1070



14.2561, 7.8484, 0.0000



0.3386, 7.8484, 14.3731

Complementary

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



19.2689, 7.8484, 95.1070



61.4867, 84.7826, 13.1240

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.



0.5700, 7.8484, 0.4515



19.2689, 7.8484, 95.1070



5.8906, 7.8484, 0.0000

Square

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



19.2689, 7.8484, 95.1070



24.8289, 7.8484, 0.0000



1.8469, 7.8484, 0.0000



0.9718, 7.8484, 61.4535

Rectangle

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



19.2689, 7.8484, 95.1070



31.5320, 7.8484, 10.7581



1.8469, 7.8484, 0.0000



0.3186, 7.8484, 6.6593

Sweetspot

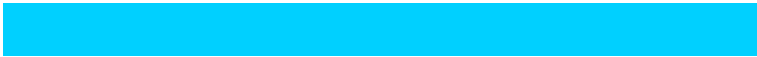
The Sweet Spot groups the original color and five complimentary colors.



19.2698, 7.8488, 95.1071



56.0384, 50.5852, 101.4181



40.6669, 52.4538, 102.5890



11.0908, 9.7057, 21.5388



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.



19.2698, 7.8488, 95.1071



35.5613, 16.2474, 95.8695



17.3221, 17.5423, 22.7230



10.1596, 4.1479, 49.6997



1.0700, 0.4455, 4.8429

Inverse Universe

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



52.5001, 25.7641, 61.2250



39.1320, 73.2583, 12.0778



18.6373, 18.2382, 21.9733



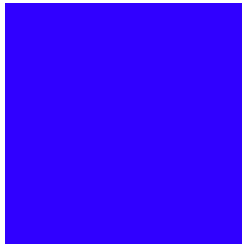
27.4850, 13.4833, 32.2681



2.7122, 1.3273, 3.3320

Previews

White Background



This preview shows how the XYZ color 19.2689, 7.8484, 95.1070 looks on a white background.

Color Contrast Check

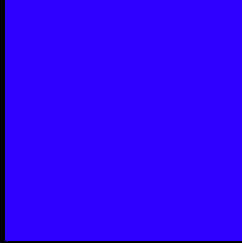
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2689, 7.8484, 95.1070 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 19.2689, 7.8484, 95.1070

Background



This preview shows how black text looks on a background with the XYZ color 19.2689, 7.8484, 95.1070.



This preview shows how white text looks on a background with the XYZ color 19.2689, 7.8484,

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

19.2689, 7.8484, 95.1070

Protanopia

9.1755, 7.9164, 35.2268

Deuteranopia

7.5327, 7.8407, 24.7833



Tritanopia

5.5482, 7.9351, 11.5951

Trichromacy



Original Color

19.2689, 7.8484, 95.1070

Protanomaly

11.2933, 6.3013, 52.8456

Deuteranomaly

9.6974, 5.8704, 43.8020

Tritanomaly

7.3618, 5.3124, 30.3432

Monochromacy



Original Color

19.2689, 7.8484, 95.1070

Achromatopsia

2.2962, 2.4158, 2.6308

Achromatomaly

4.8643, 2.6978, 18.0337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2689, 7.8484, 95.1070 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(48, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(48, 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(48, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 19.2689, 7.8484, 95.1070 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(48, 0, 255) }
```

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

```
.border{ border-color:rgb(48, 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(48, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(48, 0, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.2689, 7.8484, 95.1070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 0, 255) }
```

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

```
.background{ background-color: rgb(48, 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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