

Converting Colors

XYZ(20.2718, 9.9059, 94.6488)

Have a look what the booklet for
XYZ(20.2718, 9.9059, 94.6488)
contains.

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Color

**XYZ(20.2711, 9.8926,
94.6070)**

Conversions

Conversions Part 1

Format	Color
Hex	332FFE
RGB	51, 47, 254
RGB Percent	20%, 18%, 100%
CMY	0.7999, 0.8157, 0.0039
CMYK	0.80, 0.81, 0.00, 0.00
HSL	241°, 99%, 59%
HSV	241°, 81%, 100%
XYZ	20.2711, 9.8926, 94.6070
YIQ	71.7940, -64.0630, 65.2250

Conversions

Conversions Part 2

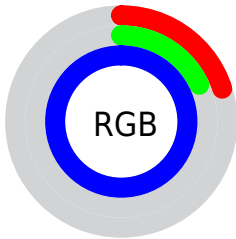
Format	Color
R _Y B	51, 47, 254
Decimal	3354622
CIE Lab	37.65, 67.49, -98.35
CIE LCh	38, 119.277, 304.458
Yxy	9.8926, 0.1625, 0.0793
Android (android.graphics.Color)	4281544702 (0xFF332FFE)
YUV	71.7940, 89.8276, -18.2363
Hunter-Lab	31.4525, 60.0011, -156.3235

Details

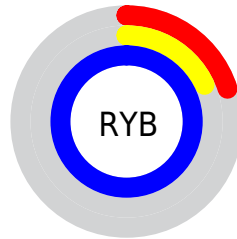
The XYZ color **20.2711, 9.8926, 94.6070** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **75.3716, 91.4091, 16.3600**, and the grayscale version is **5.9844, 6.2961, 6.8564**.

A 20% lighter version of the original color is **32.1847, 21.1302, 96.9900**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.5975, 7.9353, 94.3178**, and if you desaturate by 10%, it is **23.2069, 13.3752, 95.1248**.

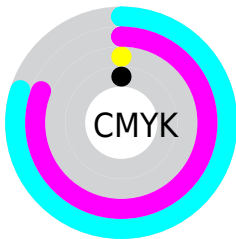
Distribution



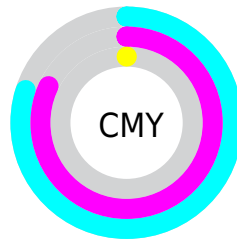
- Red (20%)
- Green (18%)
- Blue (100%)



- Red (20%)
- Yellow (18%)
- Blue (100%)



- Cyan (80%)
- Magenta (81%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (82%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.2711, 9.8926, 94.6070 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 20.2711, 9.8926, 94.6070 by changing the saturation by 10% instead.


 20.2711, 9.8926,
94.6070


 20.2711, 9.8926,
94.6070


246.1847,
189.9038, 563.8582

 12.7017, 5.3278,
71.2128


 43.3717, 25.5933,
155.7125


 7.2990, 2.4409,
52.0330


 59.6336, 37.4980,
194.2608

 3.6978, 0.8468,
36.6490


 79.5237, 52.6181,
238.6977

 1.5326, 0.0000,
24.6422

 103.4074, 71.3380,
289.4416

 0.3479, 0.0000,
15.5941

 131.6499, 94.0422,
346.9110

 0.0000, 0.0000,
9.0861

 164.6168,

 0.0000, 0.0000,

121.1149, 411.5246

4.6998

202.6732,
152.9407, 483.7008

■ 0.0000, 0.0000,
2.0166

■ 0.0000, 0.0000,
0.5655

■ 20.2711, 9.8926,
94.6070

■ 20.2711, 9.8926,
94.6070

■ 18.5975, 7.9353,
94.3178

■ 23.2069, 13.3752,
95.1248

■ 17.9512, 7.1876,
94.2075

■ 27.5858, 18.6098,
95.9044

■ 33.5621, 25.7858,
96.9746

■ 41.2694, 35.0681,
98.3600

■ 50.8275, 46.6038,
100.0828

■ 62.3455, 60.5271,
102.1633

■ 75.9240, 76.9616,
104.6198

■ 91.6568, 96.0224,
107.4696

■ 94.8895, 99.9358,
108.0546

Harmonies

Analogous

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



10.5795, 9.8926, 128.6090



20.2711, 9.8926, 94.6070



29.5876, 9.8926, 40.5784

Triad

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



20.2711, 9.8926, 94.6070



17.1746, 9.8926, 0.0000



1.0777, 9.8926, 14.3458

Complementary

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



20.2711, 9.8926, 94.6070



75.3716, 91.4091, 16.3600

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.



1.4367, 9.8926, 0.9427



20.2711, 9.8926, 94.6070



8.3164, 9.8926, 0.0000

Square

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



20.2711, 9.8926, 94.6070



27.2249, 9.8926, 0.0000



3.3392, 9.8926, 0.0000



1.7847, 9.8926, 55.7329

Rectangle

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



20.2711, 9.8926, 94.6070



32.5913, 9.8926, 15.3174



3.3392, 9.8926, 0.0000



1.0834, 9.8926, 7.2276

Sweetspot

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



20.2719, 9.8927, 94.6073



59.8002, 57.3153, 102.5189



53.4184, 76.4738, 105.7118



11.9025, 11.1831, 21.7812



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.



20.2719, 9.8927, 94.6073



18.2300, 7.3950, 95.0743



32.2223, 16.0533, 95.1666



17.0356, 17.3946, 22.7096



9.4780, 3.7966, 49.6679



0.9338, 0.3753, 4.8365

Inverse Universe

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



59.1415, 30.0043, 93.0991



58.5734, 28.2819, 92.9332



47.9961, 77.2966, 15.0789



18.7766, 18.2939, 22.7064



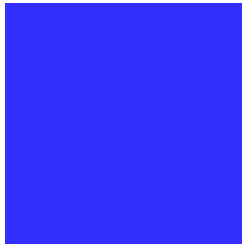
30.5757, 14.7196, 48.5437



2.9817, 1.4351, 4.7512

Previews

White Background



This preview shows how the XYZ color 20.2711, 9.8926, 94.6070 looks on a white background.

Color Contrast Check

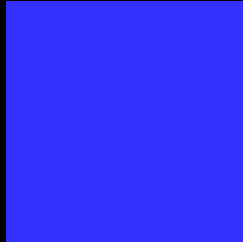
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2711, 9.8926, 94.6070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

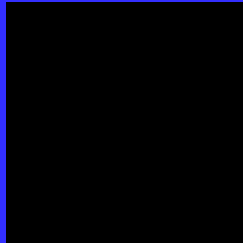
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.2711, 9.8926, 94.6070

Background



This preview shows how black text looks on a background with the XYZ color 20.2711, 9.8926, 94.6070.

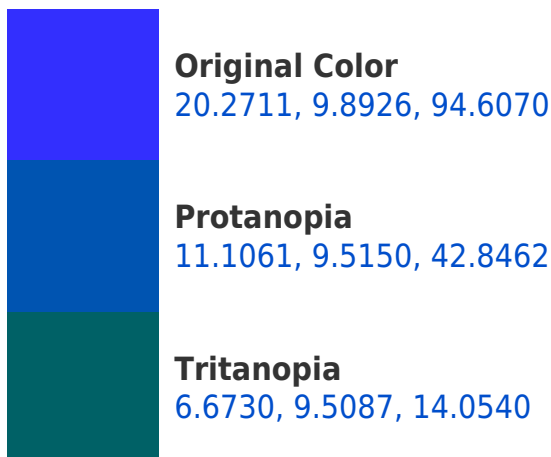


This preview shows how white text looks on a background with the XYZ color 20.2711, 9.8926,

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



Trichromacy



Original Color

20.2711, 9.8926, 94.6070

Protanomaly

13.5412, 9.0527, 58.7913

Tritanomaly

9.1503, 8.1647, 32.9920

Monochromacy



Original Color

20.2711, 9.8926, 94.6070

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

8.4793, 6.4800, 24.8486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2711, 9.8926, 94.6070 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(51, 47, 254)` looks like.

```
.text, #text, p{  
    color:rgb(51, 47, 254)  
}
```

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(51, 47, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 47, 254) }
```

Border

The CSS property to change the border of an element to XYZ 20.2711, 9.8926, 94.6070 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(51, 47, 254) }
```

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

```
.border{ border-color:rgb(51, 47, 254) }
```

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

Here you see how a box with a 4 pixel rgb(51, 47, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 47, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 47, 254);  
box-shadow:4px 4px 4px 4px rgb(51, 47,  
254) }
```


Background

The CSS property to change the background color of an element to XYZ 20.2711, 9.8926, 94.6070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 47, 254) }
```

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

```
.background{ background-color: rgb(51, 47,  
254) }
```

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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