

Converting Colors

XYZ(20.2918, 10.0062, 95.0232)

Have a look what the booklet for
XYZ(20.2918, 10.0062, 95.0232)
contains.

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Color

**XYZ(20.2066, 9.9808,
94.6274)**

Conversions

Conversions Part 1

Format	Color
Hex	3031FE
RGB	48, 49, 254
RGB Percent	19%, 19%, 100%
CMY	0.8117, 0.8079, 0.0039
CMYK	0.81, 0.81, 0.00, 0.00
HSL	240°, 99%, 59%
HSV	240°, 81%, 100%
XYZ	20.2066, 9.9808, 94.6274
YIQ	72.0710, -66.4010, 63.5430

Conversions

Conversions Part 2

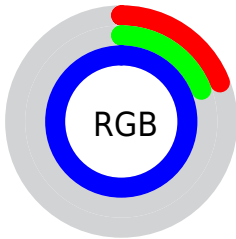
Format	Color
R_{YB}	48, 49, 254
Decimal	3158526
CIE _{Lab}	37.81, 66.48, -98.09
CIE _{LCh}	38, 118.497, 304.130
Yxy	9.9808, 0.1619, 0.0800
Android (android.graphics.Color)	4281348606 (0xFF3031FE)
YUV	72.0710, 89.6910, -21.1103
Hunter-Lab	31.5924, 58.8824, -155.4742

Details

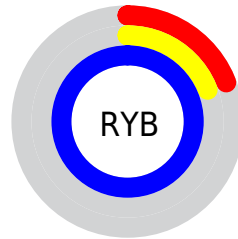
The XYZ color **20.2066, 9.9808, 94.6274** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **76.5397, 91.5497, 16.4351**, and the grayscale version is **6.0320, 6.3461, 6.9109**.

A 20% lighter version of the original color is **32.1229, 21.2399, 97.0144**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.5549, 7.9751, 94.3277**, and if you desaturate by 10%, it is **23.1361, 13.5231, 95.1571**.

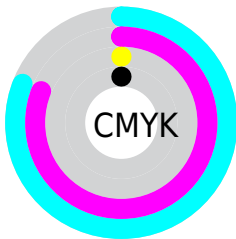
Distribution



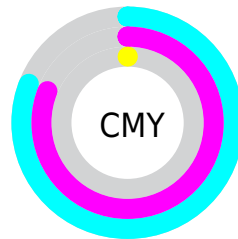
- Red (19%)
- Green (19%)
- Blue (100%)



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



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




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

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2066, 9.9808, 94.6274 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 20.2066, 9.9808, 94.6274 by changing the saturation by 10% instead.


 20.2066, 9.9808,
94.6274

 20.2066, 9.9808,
94.6274


245.8437,
190.5350, 563.9253


 12.6544, 5.3862,
71.2297


 43.2646, 25.7594,
155.7409


 7.2664, 2.4756,
52.0467


 59.5012, 37.7122,
194.2938


 3.6771, 0.8644,
36.6598


 79.3632, 52.8865,
238.7355

 1.5211, 0.0000,
24.6505

 103.2162, 71.6668,
289.4846

 0.3401, 0.0000,
15.6002

 131.4253, 94.4374,
346.9596

 0.0000, 0.0000,
9.0904

 164.3560,

 0.0000, 0.0000,

121.5827, 411.5790

4.7026

202.3737,
153.4871, 483.7614

■ 0.0000, 0.0000,
2.0182

■ 0.0000, 0.0000,
0.5664

■ 20.2066, 9.9808,
94.6274

■ 20.2066, 9.9808,
94.6274

■ 18.5549, 7.9751,
94.3277

■ 23.1361, 13.5231,
95.1571

■ 17.9025, 7.1819,
94.2090

■ 27.5298, 18.8274,
95.9494

■ 33.5459, 26.0825,
97.0327

■ 41.3216, 35.4528,
98.4315

■ 50.9795, 47.0852,
100.1677

■ 62.6314, 61.1139,
102.2614

■ 76.3801, 77.6621,
104.7309

■ 92.3217, 96.8451,
107.5934

■ 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.



10.5726, 9.9808, 127.7848



20.2066, 9.9808, 94.6274



29.5057, 9.9808, 41.0452

Triad

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



20.2066, 9.9808, 94.6274



17.3503, 9.9808, 0.0000



1.1189, 9.9808, 14.1506

Complementary

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



20.2066, 9.9808, 94.6274



76.5397, 91.5497, 16.4351

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.



1.4962, 9.9808, 0.9426



20.2066, 9.9808, 94.6274



8.4774, 9.9808, 0.0000

Square

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



20.2066, 9.9808, 94.6274



27.3303, 9.9808, 0.0000



3.4435, 9.9808, 0.0000



1.8231, 9.9808, 54.9752

Rectangle

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



20.2066, 9.9808, 94.6274



32.5470, 9.9808, 15.7070



3.4435, 9.9808, 0.0000



1.1282, 9.9808, 7.1405

Sweetspot

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



20.2074, 9.9809, 94.6277



59.5587, 57.2867, 102.5261



54.0062, 78.4505, 103.2057



11.8467, 11.1765, 21.7828



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.



20.2074, 9.9809, 94.6277



18.2415, 7.4609, 95.0864



31.0834, 15.5277, 95.1251



17.0100, 17.3916, 22.7103



9.4414, 3.7923, 49.6690



0.9216, 0.3739, 4.8369

Inverse Universe

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



42.4852, 23.4080, 5.1842



41.3714, 21.4454, 2.2122



49.3866, 78.0110, 15.2530



18.0129, 17.9885, 18.6853



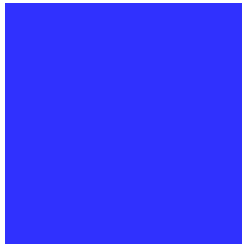
21.5538, 11.1108, 1.0346



2.0998, 1.0823, 0.1069

Previews

White Background



This preview shows how the XYZ color 20.2066, 9.9808, 94.6274 looks on a white background.

Color Contrast Check

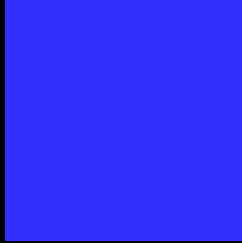
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2066, 9.9808, 94.6274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2066, 9.9808, 94.6274

Background



This preview shows how black text looks on a background with the XYZ color 20.2066, 9.9808, 94.6274.



This preview shows how white text looks on a background with the XYZ color 20.2066, 9.9808,

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

20.2066, 9.9808, 94.6274

Protanopia

11.2844, 9.7114, 43.3992

Deuteranopia

9.3270, 9.7165, 30.6620



Tritanopia

6.8159, 9.7146, 14.3478

Trichromacy



Original Color

20.2066, 9.9808, 94.6274

Protanomaly

13.6891, 9.2101, 59.4488

Deuteranomaly

11.8927, 8.9189, 48.6717

Tritanomaly

9.2714, 8.3251, 33.4660

Monochromacy



Original Color

20.2066, 9.9808, 94.6274

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

8.4707, 6.5585, 24.8642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2066, 9.9808, 94.6274 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, 49, 254)` looks like.

```
.text, #text, p{  
    color:rgb(48, 49, 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(48, 49, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 49, 254) }
```

Border

The CSS property to change the border of an element to XYZ 20.2066, 9.9808, 94.6274 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, 49, 254) }
```


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

```
.border{ border-color:rgb(48, 49, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 49, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 49, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 49, 254);  
box-shadow:4px 4px 4px 4px rgb(48, 49,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2066, 9.9808, 94.6274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 49, 254) }
```

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

```
.background{ background-color: rgb(48, 49,  
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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