

Converting Colors

XYZ(18.6881, 8.8158, 91.5732)

Have a look what the booklet for
XYZ(18.6881, 8.8158, 91.5732)
contains.

XYZ(18.7706, 8.8422, 91.9842)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.7706, 8.8422,
91.9842)**

Conversions

Conversions Part 1

Format	Color
Hex	1F29FB
RGB	31, 41, 251
RGB Percent	12%, 16%, 98%
CMY	0.8783, 0.8392, 0.0157
CMYK	0.88, 0.84, 0.00, 0.02
HSL	237°, 96%, 55%
HSV	237°, 88%, 98%
XYZ	18.7706, 8.8422, 91.9842
YIQ	61.9500, -73.3700, 63.1900

Conversions

Conversions Part 2

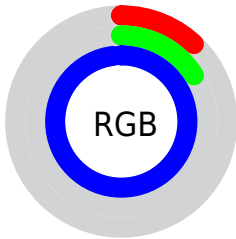
Format	Color
RYB	31, 41, 251
Decimal	2042363
CIELab	35.68, 68.42, -99.97
CIELCh	36, 121.137, 304.389
Yxy	8.8422, 0.1569, 0.0739
Android (android.graphics.Color)	4280232443 (0xFF1F29FB)
YUV	61.9500, 93.2017, -27.1432
Hunter-Lab	29.7358, 60.6395, -162.5913

Details

The XYZ color **18.7706, 8.8422, 91.9842** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **71.4982, 83.5416, 13.6552**, and the grayscale version is **4.4504, 4.6822, 5.0989**.

A 20% lighter version of the original color is **30.4218, 19.4087, 96.7506**, and **9.6256, 3.8503, 50.6879** is the 20% darker color. If you saturate the color by 10%, you get **17.6878, 7.4052, 91.7642**, and if you desaturate by 10%, it is **20.9386, 11.5852, 92.3997**.

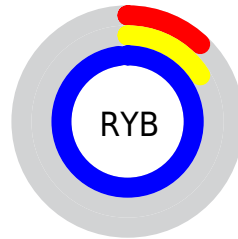
Distribution



Red (12%)

Green (16%)

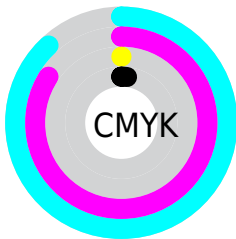
Blue (98%)



Red (12%)

Yellow (16%)

Blue (98%)

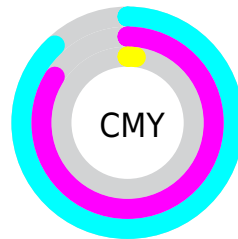


Cyan (88%)

Magenta (84%)

Yellow (0%)

Black (2%)



Cyan (88%)

Magenta (84%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7706, 8.8422, 91.9842 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 18.7706, 8.8422, 91.9842 by changing the saturation by 10% instead.

 18.7706, 8.8422,
91.9842


 18.7706, 8.8422,
91.9842

238.1419,
182.1963, 555.2002

 11.6077, 4.6384,
69.0445


 40.8660, 23.5937,
152.0510


 6.5474, 2.0367,
50.2760


 56.5291, 34.9102,
190.0152

 3.2245, 0.6287,
35.2600


 75.7564, 49.3664,
233.8247

 1.2736, 0.0000,
23.5781

 98.9131, 67.3466,
283.8980

 0.1633, 0.0000,
14.8117

 126.3647, 89.2353,
340.6537

 0.0000, 0.0000,
8.5422

 158.4764,

 0.0000, 0.0000,

115.4169, 404.5103

4.3511

195.6137,
146.2758, 475.8863

■ 0.0000, 0.0000,
1.8198

■ 0.0000, 0.0000,
0.4410

■ 18.7706, 8.8422,
91.9842

■ 18.7706, 8.8422,
91.9842

■ 17.6878, 7.4052,
91.7642

■ 20.9386, 11.5852,
92.3997

■ 17.5366, 7.2129,
91.7351

■ 24.3915, 15.8560,
93.0421

■ 29.2880, 21.8337,
93.9378

■ 35.7634, 29.6724,
95.1096

■ 43.9375, 39.5092,
96.5774

■ 53.9185, 51.4682,
98.3597

■ 65.8054, 65.6632,
100.4731

■ 79.6904, 82.2003,
102.9333

■ 94.4127, 99.7451,
105.5438

Harmonies

Analogous

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



9.4978, 8.8422, 125.8356



18.7706, 8.8422, 91.9842



27.8226, 8.8422, 38.5308

Triad

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



18.7706, 8.8422, 91.9842



15.8334, 8.8422, 0.0000



0.8057, 8.8422, 12.9562

Complementary

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



18.7706, 8.8422, 91.9842



71.4982, 83.5416, 13.6552

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.



1.1123, 8.8422, 0.6399



18.7706, 8.8422, 91.9842



7.3980, 8.8422, 0.0000

Square

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



18.7706, 8.8422, 91.9842



25.5563, 8.8422, 0.0000



2.7952, 8.8422, 0.0000



1.4076, 8.8422, 53.1962

Rectangle

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



18.7706, 8.8422, 91.9842



30.7671, 8.8422, 14.0001



2.7952, 8.8422, 0.0000



0.8112, 8.8422, 6.2760

Sweetspot

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



18.7714, 8.8422, 91.9845



57.7463, 55.5693, 102.2901



50.7918, 75.5778, 94.3506



11.5220, 10.8916, 21.7450



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.



18.7714, 8.8422, 91.9845



18.1761, 7.4721, 95.0920



27.1120, 12.6938, 92.2883



16.3461, 16.7690, 21.7605



9.2455, 3.8466, 48.2287



0.8778, 0.3993, 4.4740

Inverse Universe

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



40.6747, 21.6509, 4.1324



41.3036, 21.2855, 2.2651



47.6966, 75.7705, 13.4097



17.2765, 17.2379, 18.0456



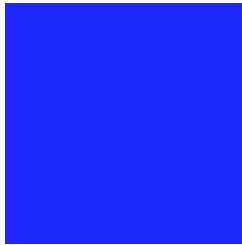
20.9587, 10.7992, 1.2252



1.9520, 1.0045, 0.1706

Previews

White Background



This preview shows how the XYZ color 18.7706, 8.8422, 91.9842 looks on a white background.

Color Contrast Check

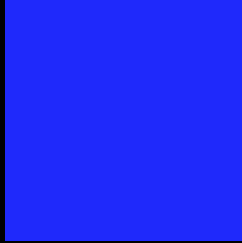
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7706, 8.8422, 91.9842 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 18.7706, 8.8422, 91.9842

Background



This preview shows how black text looks on a background with the XYZ color 18.7706, 8.8422, 91.9842.



This preview shows how white text looks on a background with the XYZ color 18.7706, 8.8422,

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

18.7706, 8.8422, 91.9842

Protanopia

9.9365, 8.5645, 38.1752

Deuteranopia

8.2857, 8.6387, 27.2173



Tritanopia

5.9848, 8.5174, 12.6378

Trichromacy



Original Color

18.7706, 8.8422, 91.9842

Protanomaly

12.2793, 8.0448, 54.3317

Deuteranomaly

10.7717, 7.8289, 45.1994

Tritanomaly

8.2703, 7.1361, 31.0785

Monochromacy



Original Color

18.7706, 8.8422, 91.9842

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

6.7811, 4.9808, 22.0767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7706, 8.8422, 91.9842 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(31, 41, 251)` looks like.

```
.text, #text, p{  
    color:rgb(31, 41, 251)  
}
```

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(31, 41, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 41, 251) }
```

Border

The CSS property to change the border of an element to XYZ 18.7706, 8.8422, 91.9842 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(31, 41, 251) }
```


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

```
.border{ border-color:rgb(31, 41, 251) }
```

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

Here you see how a box with a 4 pixel rgb(31, 41, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 41, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 41, 251);  
box-shadow:4px 4px 4px 4px rgb(31, 41,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7706, 8.8422, 91.9842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 41, 251) }
```

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

```
.background{ background-color: rgb(31, 41,  
251) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor