

Converting Colors

XYZ(17.8596, 8.0308, 91.3131)

Have a look what the booklet for
XYZ(17.8596, 8.0308, 91.3131)
contains.

XYZ(17.7992, 7.9898, 91.0466)	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(17.7992, 7.9898,
91.0466)**

Conversions

Conversions Part 1

Format	Color
Hex	0021FA
RGB	0, 33, 250
RGB Percent	0%, 13%, 98%
CMY	0.9997, 0.8706, 0.0196
CMYK	1.00, 0.87, 0.00, 0.02
HSL	232°, 100%, 49%
HSV	232°, 100%, 98%
XYZ	17.7992, 7.9898, 91.0466
YIQ	47.8710, -89.3250, 60.4910

Conversions

Conversions Part 2

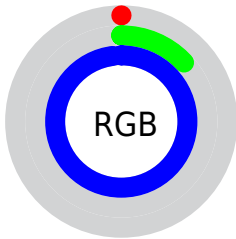
Format	Color
RYB	0, 29, 250
Decimal	8698
CIELab	33.96, 70.71, -102.28
CIELCh	34, 124.343, 304.657
Yxy	7.9898, 0.1523, 0.0684
Android (android.graphics.Color)	4278198778 (0xFF0021FA)
YUV	47.8710, 99.6496, -41.9829
Hunter-Lab	28.2662, 62.9352, -171.1889

Details

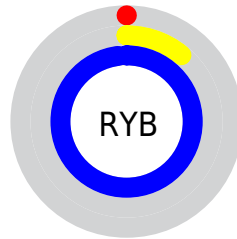
The XYZ color **17.7992, 7.9898, 91.0466** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **64.2604, 69.9951, 10.1257**, and the grayscale version is **2.7005, 2.8412, 3.0940**.

A 20% lighter version of the original color is **28.8490, 17.7271, 96.5089**, and **9.5144, 3.8058, 50.1023** is the 20% darker color. If you saturate the color by 10%, you get **17.7971, 7.9856, 91.0462**, and if you desaturate by 10%, it is **19.0101, 9.8135, 91.3351**.

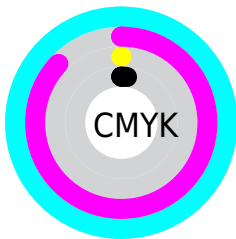
Distribution



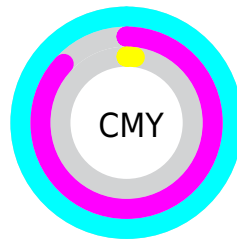
- Red (0%)
- Green (13%)
- Blue (98%)



- Red (0%)
- Yellow (11%)
- Blue (98%)



- Cyan (100%)
- Magenta (87%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (87%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7992, 7.9898, 91.0466 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 17.7992, 7.9898, 91.0466 by changing the saturation by 10% instead.

■ 17.7992, 7.9898,
91.0466

■ 17.7992, 7.9898,
91.0466

232.8043,
175.6520, 552.0873

■ 10.9047, 4.0884,
68.2704

■ 39.2276, 21.9384,
150.7395

■ 6.0696, 1.7231,
49.6497

■ 54.4923, 32.7545,
188.4933

■ 2.9285, 0.4386,
34.7659

■ 73.2778, 46.6442,
232.0768

■ 1.1161, 0.0000,
23.2005

■ 95.9494, 63.9921,
281.9084

■ 0.0385, 0.0000,
14.5349

■ 122.8725, 85.1823,
338.4067

■ 0.0000, 0.0000,
8.3507

■ 154.4125,

■ 0.0000, 0.0000,

110.5995, 401.9902

4.2292

190.9346,
140.6279, 473.0776

■ 0.0000, 0.0000,
1.7519

■ 0.0000, 0.0000,
0.3959

■ 17.7992, 7.9898,
91.0466

■ 17.7992, 7.9898,
91.0466

■ 17.7971, 7.9856,
91.0462

■ 19.0101, 9.8135,
91.3351

■ 21.1870, 12.8071,
91.7982

■ 24.5413, 17.1576,
92.4612

■ 29.2144, 23.0057,
93.3437

■ 35.3271, 30.4739,
94.4630

■ 42.9864, 39.6719,
95.8347

■ 52.2892, 50.6995,
97.4729

■ 63.3240, 63.6492,
99.3909

■ 76.1732, 78.6069,
101.6008

Harmonies

Analogous

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



8.7128, 7.9898, 126.1770



17.7992, 7.9898, 91.0466



26.7650, 7.9898, 36.8407

Triad

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



17.7992, 7.9898, 91.0466



14.7309, 7.9898, 0.0000



0.5481, 7.9898, 12.1304

Complementary

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



17.7992, 7.9898, 91.0466



64.2604, 69.9951, 10.1257

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.



0.8303, 7.9898, 0.3727



17.7992, 7.9898, 91.0466



6.5754, 7.9898, 0.0000

Square

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



17.7992, 7.9898, 91.0466



24.3672, 7.9898, 0.0000



2.3010, 7.9898, 0.0000



1.0992, 7.9898, 52.5189

Rectangle

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



17.7992, 7.9898, 91.0466



29.6633, 7.9898, 12.7005



2.3010, 7.9898, 0.0000



0.5513, 7.9898, 5.6417

Sweetspot

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



17.7999, 7.9898, 91.0469



54.6312, 52.9566, 101.9500



46.6692, 73.3650, 77.1269



10.7691, 10.2426, 21.6594



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.



17.7999, 7.9898, 91.0469



18.6101, 8.3403, 95.2367



21.6415, 9.1645, 91.0712



16.4673, 17.0114, 21.8009



9.4972, 4.3500, 48.3126



0.9352, 0.5140, 4.4931

Inverse Universe

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



39.6997, 20.4355, 3.2901



41.5227, 21.3731, 3.4188



48.3580, 75.6775, 12.0607



17.3376, 17.2624, 18.3678



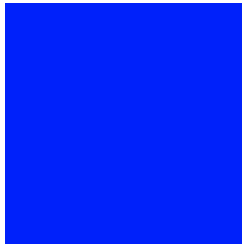
21.0858, 10.8500, 1.8942



1.9810, 1.0161, 0.3232

Previews

White Background



This preview shows how the XYZ color 17.7992, 7.9898, 91.0466 looks on a white background.

Color Contrast Check

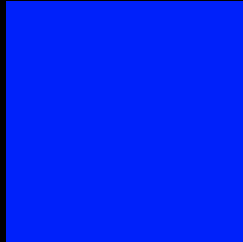
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7992, 7.9898, 91.0466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

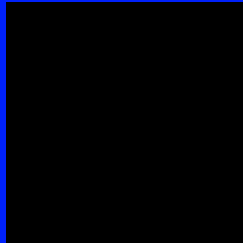
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.7992, 7.9898, 91.0466

Background



This preview shows how black text looks on a background with the XYZ color 17.7992, 7.9898, 91.0466.



This preview shows how white text looks on a background with the XYZ color 17.7992, 7.9898,

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

17.7992, 7.9898, 91.0466

Protanopia

9.0869, 7.8810, 34.7605

Deuteranopia

7.4612, 7.8122, 24.4072



Tritanopia

5.4215, 7.7522, 11.3358

Trichromacy



Original Color

17.7992, 7.9898, 91.0466

Protanomaly

11.2944, 7.1877, 51.2442

Deuteranomaly

9.7692, 6.8411, 42.4005

Tritanomaly

7.4919, 6.3042, 29.2557

Monochromacy



Original Color

17.7992, 7.9898, 91.0466

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

4.8801, 3.3995, 18.4881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7992, 7.9898, 91.0466 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(0, 33, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 33, 250)  
}
```

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(0, 33, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 33, 250) }
```

Border

The CSS property to change the border of an element to XYZ 17.7992, 7.9898, 91.0466 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(0, 33, 250) }
```


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

```
.border{ border-color:rgb(0, 33, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 33, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 33, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 33, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 33, 250)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.7992, 7.9898, 91.0466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 33, 250) }
```

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

```
.background{ background-color: rgb(0, 33,  
250) }
```

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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