

Converting Colors

XYZ(19.8029, 12.0224, 91.6371)

Have a look what the booklet for
XYZ(19.8029, 12.0224, 91.6371)
contains.

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Color

**XYZ(19.8398, 12.0710,
91.7267)**

Conversions

Conversions Part 1

Format	Color
Hex	004CFA
RGB	0, 76, 250
RGB Percent	0%, 30%, 98%
CMY	0.9997, 0.7020, 0.0196
CMYK	1.00, 0.70, 0.00, 0.02
HSL	222°, 100%, 49%
HSV	222°, 100%, 98%
XYZ	19.8398, 12.0710, 91.7267
YIQ	73.1120, -101.1500, 38.0020

Conversions

Conversions Part 2

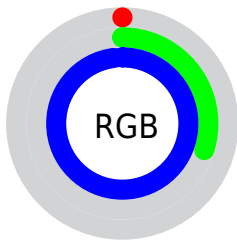
Format	Color
R _{YB}	0, 58, 250
Decimal	19706
CIE Lab	41.33, 49.49, -90.05
CIE LCh	41, 102.752, 298.794
Yxy	12.0710, 0.1605, 0.0976
Android (android.graphics.Color)	4278209786 (0xFF004CFA)
YUV	73.1120, 87.2058, -64.1192
Hunter-Lab	34.7433, 41.1296, -132.2125

Details

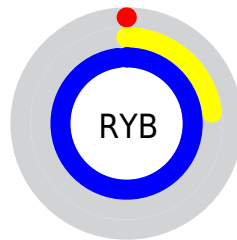
The XYZ color **19.8398, 12.0710, 91.7267** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark saturated blue. A complement of this color would be **54.5768, 50.6279, 6.8979**, and the grayscale version is **6.2219, 6.5460, 7.1286**.

A 20% lighter version of the original color is **32.4538, 25.5321, 97.8254**, and **10.0309, 4.8388, 50.2745** is the 20% darker color. If you saturate the color by 10%, you get **19.8359, 12.0631, 91.7258**, and if you desaturate by 10%, it is **21.6081, 15.0095, 92.2011**.

Distribution



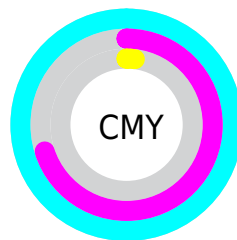
- Red (0%)
- Green (30%)
- Blue (98%)



- Red (0%)
- Yellow (23%)
- Blue (98%)



- Cyan (100%)
- Magenta (70%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (70%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8398, 12.0710, 91.7267 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 19.8398, 12.0710, 91.7267 by changing the saturation by 10% instead.

■ 19.8398, 12.0710,
91.7267

■ 19.8398, 12.0710,
91.7267

243.8967,
204.8748, 554.3463

■ 12.3862, 6.7921,
68.8319

■ 42.6544, 29.6244,
151.6910

■ 7.0814, 3.3324,
50.1039

■ 58.7462, 42.6675,
189.5975

■ 3.5598, 1.3076,
35.1242

■ 78.4481, 59.0676,
233.3450

■ 1.4563, 0.1471,
23.4743

■ 102.1254, 79.2089,
283.3520

■ 0.2958, 0.0000,
14.7355

■ 130.1436,
103.4759, 340.0371

■ 0.0000, 0.0000,
8.4894

162.8680,

■ 0.0000, 0.0000,

132.2530, 403.8188

4.3174

200.6639,
165.9244, 475.1157

■ 0.0000, 0.0000,
1.8011

■ 0.0000, 0.0000,
0.4287

■ 19.8398, 12.0710,
91.7267

■ 19.8398, 12.0710,
91.7267

■ 19.8359, 12.0631,
91.7258

■ 21.6081, 15.0095,
92.2011

■ 24.2383, 18.9095,
92.8152

■ 27.9104, 23.8956,
93.5841

■ 32.7401, 30.0569,
94.5188

■ 38.8262, 37.4717,
95.6292

■ 46.2562, 46.2109,
96.9245

■ 55.1093, 56.3393,
98.4128

■ 65.4584, 67.9174,
100.1022

■ 77.3710, 81.0018,
101.9999

Harmonies

Analogous

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



11.1746, 12.0710, 111.4706



19.8398, 12.0710, 91.7267



28.5845, 12.0710, 47.8722

Triad

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



19.8398, 12.0710, 91.7267



20.6008, 12.0710, 0.0000



2.2884, 12.0710, 12.2995

Complementary

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



19.8398, 12.0710, 91.7267



54.5768, 50.6279, 6.8979

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.



3.0693, 12.0710, 1.2910



19.8398, 12.0710, 91.7267



11.7769, 12.0710, 0.0000

Square

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



19.8398, 12.0710, 91.7267



29.1415, 12.0710, 1.6358



5.8679, 12.0710, 0.0000



2.9459, 12.0710, 44.4223

Rectangle

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



19.8398, 12.0710, 91.7267



32.0178, 12.0710, 22.8263



5.8679, 12.0710, 0.0000



2.3817, 12.0710, 6.6786

Sweetspot

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



19.8406, 12.0712, 91.7271



57.5842, 58.8626, 102.9344



41.5239, 71.3069, 50.0325



11.4497, 11.6039, 21.8863



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.



19.8406, 12.0712, 91.7271



20.7363, 12.5925, 95.9454



18.3783, 7.4823, 90.9184



16.7129, 17.5027, 21.8828



10.6318, 6.6192, 48.6908



1.0737, 0.7911, 4.5393

Inverse Universe

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



40.7298, 20.8475, 8.7143



42.5959, 21.8024, 9.0701



59.1378, 81.2347, 12.5652



17.4616, 17.3120, 19.0208



21.6585, 11.0791, 4.9100



2.0509, 1.0441, 0.6914

Previews

White Background



This preview shows how the XYZ color 19.8398, 12.0710, 91.7267 looks on a white background.

Color Contrast Check

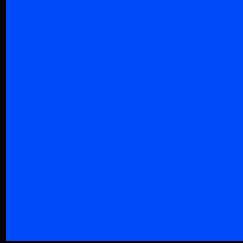
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 19.8398, 12.0710, 91.7267 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 19.8398, 12.0710, 91.7267

Background



This preview shows how black text looks on a background with the XYZ color 19.8398, 12.0710, 91.7267.



This preview shows how white text looks on a background with the XYZ color 19.8398, 12.0710,

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

19.8398, 12.0710, 91.7267

Protanopia

13.9924, 11.8599, 54.3750

Deuteranopia

11.6251, 11.9415, 38.7380



Tritanopia

8.2383, 11.7076, 17.4484

Trichromacy



Original Color

19.8398, 12.0710, 91.7267

Protanomaly

15.8029, 11.7743, 66.4055

Deuteranomaly

13.9341, 11.5594, 54.9229

Tritanomaly

10.7937, 11.0101, 36.2066

Monochromacy



Original Color

19.8398, 12.0710, 91.7267

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

8.0908, 7.2845, 24.6465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8398, 12.0710, 91.7267 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, 76, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 76, 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, 76, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 76, 250) }
```

Border

The CSS property to change the border of an element to XYZ 19.8398, 12.0710, 91.7267 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, 76, 250) }
```


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

```
.border{ border-color:rgb(0, 76, 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, 76, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 76, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 76, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 76, 250)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.8398, 12.0710, 91.7267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 76, 250) }
```

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

```
.background{ background-color: rgb(0, 76,  
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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