

Converting Colors

XYZ(12.9289, 7.9257, 59.5918)

Have a look what the booklet for
XYZ(12.9289, 7.9257, 59.5918)
contains.

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Color

**XYZ(12.9851, 7.9502,
59.8816)**

Conversions

Conversions Part 1

Format	Color
Hex	003ECF
RGB	0, 62, 207
RGB Percent	0%, 24%, 81%
CMY	0.9998, 0.7569, 0.1882
CMYK	1.00, 0.70, 0.00, 0.19
HSL	222°, 100%, 41%
HSV	222°, 100%, 81%
XYZ	12.9851, 7.9502, 59.8816
YIQ	59.9920, -83.4970, 31.9510

Conversions

Conversions Part 2

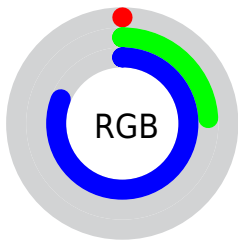
Format	Color
R_{YB}	0, 48, 207
Decimal	16079
CIE _{Lab}	33.88, 42.52, -77.86
CIE _{LCh}	34, 88.716, 298.639
Yxy	7.9502, 0.1607, 0.0984
Android (android.graphics.Color)	4278206159 (0xFF003ECF)
YUV	59.9920, 72.4749, -52.6130
Hunter-Lab	28.1961, 32.8611, -106.1802

Details

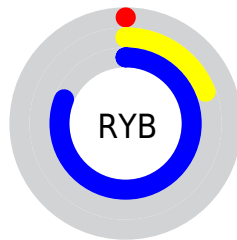
The XYZ color **12.9851, 7.9502, 59.8816** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **35.8659, 33.5323, 4.5835**, and the grayscale version is **4.2068, 4.4259, 4.8198**.

A 20% lighter version of the original color is **29.2194, 21.2554, 97.1704**, and **5.8541, 2.7707, 29.5044** is the 20% darker color. If you saturate the color by 10%, you get **12.9831, 7.9462, 59.8812**, and if you desaturate by 10%, it is **14.1856, 9.8999, 60.1949**.

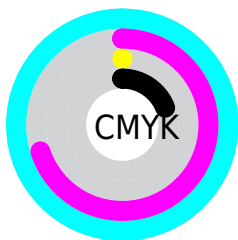
Distribution



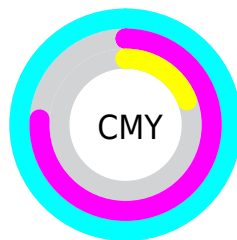
- Red (0%)
- Green (24%)
- Blue (81%)



- Red (0%)
- Yellow (19%)
- Blue (81%)



- Cyan (100%)
- Magenta (70%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (76%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9851, 7.9502, 59.8816 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 12.9851, 7.9502, 59.8816 by changing the saturation by 10% instead.

■ 12.9851, 7.9502,
59.8816

■ 12.9851, 7.9502,
59.8816

204.4617,
175.3409, 441.9537

■ 7.4952, 4.0631,
42.8985

■ 30.8786, 21.8608,
106.1996

■ 3.8228, 1.7089,
29.4747

■ 44.0128, 32.6530,
136.3716

■ 1.6024, 0.4294,
19.1916

■ 60.4260, 46.5158,
171.7770

■ 0.3939, 0.0000,
11.6306

■ 80.4833, 63.8334,
212.8343

■ 0.0000, 0.0000,
6.3732

■ 104.5502, 84.9903,
259.9621

■ 0.0000, 0.0000,
3.0009

■ 132.9920,

■ 0.0000, 0.0000,

110.3710, 313.5789

1.0951

166.1740,
140.3597, 374.1033

■ 0.0000, 0.0000,
0.0000

■ 12.9851, 7.9502,
59.8816

■ 12.9851, 7.9502,
59.8816

■ 12.9831, 7.9462,
59.8812

■ 14.1856, 9.8999,
60.1949

■ 15.9365, 12.4688,
60.5985

■ 18.3621, 15.7411,
61.1023

■ 21.5345, 19.7731,
61.7133

■ 25.5159, 24.6145,
62.4379

■ 30.3615, 30.3100,
63.2819

■ 36.1211, 36.9010,
64.2505

■ 42.8410, 44.4259,
65.3488

■ 50.5638, 52.9210,
66.5815

Harmonies

Analogous

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



7.3365, 7.9502, 72.5557



12.9851, 7.9502, 59.8816



18.6893, 7.9502, 31.4233

Triad

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



12.9851, 7.9502, 59.8816



13.5449, 7.9502, 0.0000



1.5321, 7.9502, 8.0357

Complementary

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



12.9851, 7.9502, 59.8816



35.8659, 33.5323, 4.5835

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.



2.0527, 7.9502, 0.8559



12.9851, 7.9502, 59.8816



7.7807, 7.9502, 0.0000

Square

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



12.9851, 7.9502, 59.8816



19.0985, 7.9502, 1.1185



3.9012, 7.9502, 0.0000



1.9609, 7.9502, 28.8920

Rectangle

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



12.9851, 7.9502, 59.8816



20.9380, 7.9502, 15.0787



3.9012, 7.9502, 0.0000



1.5953, 7.9502, 4.3789

Sweetspot

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



12.9856, 7.9503, 59.8819



57.5049, 58.7039, 102.9079



27.4178, 46.6679, 34.3165



11.4313, 11.5671, 21.8801



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.



12.9856, 7.9503, 59.8819



20.6573, 12.4346, 95.9191



12.1952, 4.9866, 59.3515



11.4480, 11.9863, 14.9539



8.2527, 5.1520, 37.7520



0.5308, 0.4268, 2.1340

Inverse Universe

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



26.6022, 13.6143, 5.7828



42.5560, 21.7864, 8.8602



37.9575, 52.6909, 8.1712



11.9523, 11.8657, 13.0246



16.7963, 8.5914, 3.8336



0.9742, 0.4944, 0.3988

Previews

White Background



This preview shows how the XYZ color 12.9851, 7.9502, 59.8816 looks on a white background.

Color Contrast Check

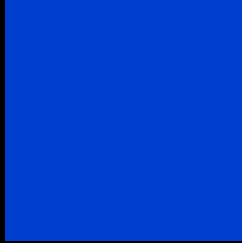
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9851, 7.9502, 59.8816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

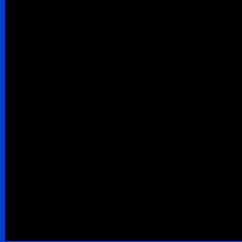
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.9851, 7.9502, 59.8816

Background



This preview shows how black text looks on a background with the XYZ color 12.9851, 7.9502, 59.8816.



This preview shows how white text looks on a background with the XYZ color 12.9851, 7.9502,

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

12.9851, 7.9502, 59.8816

Protanopia

9.1755, 7.9164, 35.2268

Deuteranopia

7.6047, 7.8696, 25.1629



Tritanopia

5.4655, 7.7698, 11.5676

Trichromacy



Original Color

12.9851, 7.9502, 59.8816

Protanomaly

10.3532, 7.8491, 43.0888

Deuteranomaly

9.1269, 7.6765, 35.6510

Tritanomaly

7.0991, 7.3132, 23.5917

Monochromacy



Original Color

12.9851, 7.9502, 59.8816

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

5.4487, 4.9418, 16.2895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9851, 7.9502, 59.8816 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, 62, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 62, 207)  
}
```

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, 62, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 62, 207) }
```

Border

The CSS property to change the border of an element to XYZ 12.9851, 7.9502, 59.8816 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, 62, 207) }
```


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

```
.border{ border-color:rgb(0, 62, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 62, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 62, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 62, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 62, 207)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.9851, 7.9502, 59.8816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 62, 207) }
```

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

```
.background{ background-color: rgb(0, 62,  
207) }
```

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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