

Converting Colors

XYZ(21.0229, 18.7296, 78.8883)

Have a look what the booklet for
XYZ(21.0229, 18.7296, 78.8883)
contains.

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Color

**XYZ(21.0439, 18.7831,
78.8603)**

Conversions

Conversions Part 1

Format	Color
Hex	0076E8
RGB	0, 118, 232
RGB Percent	0%, 46%, 91%
CMY	0.9998, 0.5373, 0.0902
CMYK	1.00, 0.49, 0.00, 0.09
HSL	209°, 100%, 46%
HSV	209°, 100%, 91%
XYZ	21.0439, 18.7831, 78.8603
YIQ	95.7140, -106.9220, 10.4380

Conversions

Conversions Part 2

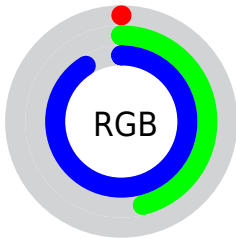
Format	Color
RYB	0, 78, 232
Decimal	30440
CIELab	50.43, 16.13, -65.07
CIELCh	50, 67.041, 283.926
Yxy	18.7831, 0.1773, 0.1583
Android (android.graphics.Color)	4278220520 (0xFF0076E8)
YUV	95.7140, 67.1890, -83.9412
Hunter-Lab	43.3395, 10.8283, -77.5462

Details

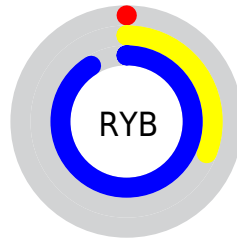
The XYZ color **21.0439, 18.7831, 78.8603** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **39.3030, 29.2036, 3.5670**, and the grayscale version is **10.9148, 11.4833, 12.5053**.

A 20% lighter version of the original color is **38.1818, 38.6601, 100.0575**, and **9.9911, 7.6016, 41.4981** is the 20% darker color. If you saturate the color by 10%, you get **21.0408, 18.7766, 78.8597**, and if you desaturate by 10%, it is **22.8283, 21.8184, 79.3526**.

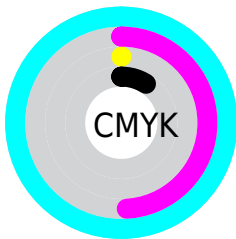
Distribution



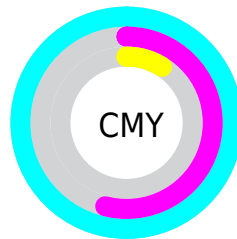
- Red (0%)
- Green (46%)
- Blue (91%)



- Red (0%)
- Yellow (31%)
- Blue (91%)



- Cyan (100%)
- Magenta (49%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (54%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0439, 18.7831, 78.8603 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 21.0439, 18.7831, 78.8603 by changing the saturation by 10% instead.

■ 21.0439, 18.7831,
78.8603

■ 21.0439, 18.7831,
78.8603

250.2390,
245.2487, 510.6887

■ 13.2687, 11.5137,
58.2603

■ 44.6513, 41.3673,
133.5591

■ 7.6921, 6.4134,
41.6019

■ 61.2143, 57.4508,
168.4949

■ 3.9487, 3.0981,
28.4664

■ 81.4372, 77.2411,
209.0465

■ 1.6732, 1.1831,
18.4355

■ 105.6855,
101.1226, 255.6323

■ 0.4394, 0.0479,
11.0904

■ 134.3244,
129.4798, 308.6709

■ 0.0000, 0.0000,
6.0127

167.7194,

■ 0.0000, 0.0000,

162.6969, 368.5808

2.7839

206.2358,
201.1584, 435.7806

■ 0.0000, 0.0000,
0.9854

■ 0.0000, 0.0000,
0.0000

■ 21.0439, 18.7831,
78.8603

■ 21.0439, 18.7831,
78.8603

■ 21.0408, 18.7766,
78.8597

■ 22.8283, 21.8184,
79.3526

■ 25.2093, 25.4104,
79.9204

■ 28.3289, 29.6400,
80.5724

■ 32.2715, 34.5581,
81.3139

■ 37.1085, 40.2088,
82.1497

■ 42.9031, 46.6314,
83.0839

■ 49.7120, 53.8617,
84.1206

■ 57.5875, 61.9330,
85.2635

■ 66.5776, 70.8764,
86.5159

Harmonies

Analogous

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



14.6011, 18.7831, 78.0068



21.0439, 18.7831, 78.8603



28.0411, 18.7831, 58.7526

Triad

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



21.0439, 18.7831, 78.8603



28.4926, 18.7831, 4.2852



8.3110, 18.7831, 12.0328

Complementary

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



21.0439, 18.7831, 78.8603



39.3030, 29.2036, 3.5670

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.



10.4902, 18.7831, 3.9581



21.0439, 18.7831, 78.8603



21.5546, 18.7831, 1.7134

Square

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



21.0439, 18.7831, 78.8603



32.9989, 18.7831, 12.9690



15.0017, 18.7831, 1.6476



8.2382, 18.7831, 30.3693

Rectangle

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



21.0439, 18.7831, 78.8603



31.6507, 18.7831, 40.6449



15.0017, 18.7831, 1.6476



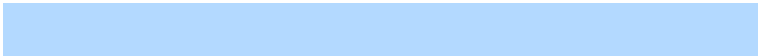
8.7921, 18.7831, 8.3798

Sweetspot

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



21.0448, 18.7836, 78.8608



61.4412, 66.5766, 104.2200



31.7912, 58.8874, 25.0678



12.3539, 13.4123, 22.1877



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.



21.0448, 18.7836, 78.8608



25.9885, 23.0970, 97.6962



14.6089, 5.9118, 76.7155



14.1856, 15.0927, 18.3098



11.8074, 10.6769, 43.8217



0.9655, 0.9749, 3.2692

Inverse Universe

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



36.5496, 18.4652, 18.7775



45.2470, 22.8628, 23.0305



61.0598, 72.7171, 10.8193



14.6813, 14.4897, 16.5221



20.3533, 10.2756, 10.7556



1.5510, 0.7781, 1.0418

Previews

White Background



This preview shows how the XYZ color 21.0439, 18.7831, 78.8603 looks on a white background.

Color Contrast Check

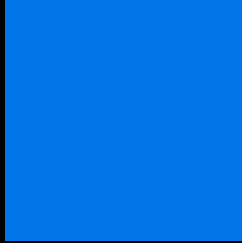
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.0439, 18.7831, 78.8603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

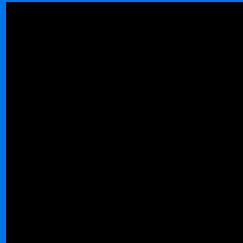
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

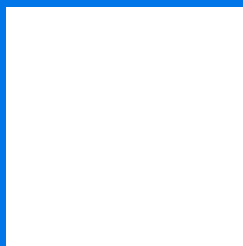
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0439, 18.7831, 78.8603

Background



This preview shows how black text looks on a background with the XYZ color 21.0439, 18.7831, 78.8603.



This preview shows how white text looks on a background with the XYZ color 21.0439, 18.7831,

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

21.0439, 18.7831, 78.8603

Protanopia

21.9096, 18.9322, 76.6283

Deuteranopia

18.9698, 18.7232, 65.5649



Tritanopia

13.1952, 18.6981, 28.1129

Trichromacy



Original Color

21.0439, 18.7831, 78.8603

Protanomaly

21.3039, 18.7758, 77.3642

Deuteranomaly

19.7556, 18.8421, 70.3058

Tritanomaly

15.3592, 18.4943, 42.8046

Monochromacy



Original Color

21.0439, 18.7831, 78.8603

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.9856, 12.9371, 28.6535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0439, 18.7831, 78.8603 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, 118, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 232)  
}
```

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, 118, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 232) }
```

Border

The CSS property to change the border of an element to XYZ 21.0439, 18.7831, 78.8603 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, 118, 232) }
```


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

```
.border{ border-color:rgb(0, 118, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 118, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0439, 18.7831, 78.8603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 232) }
```

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

```
.background{ background-color: rgb(0, 118,  
232) }
```

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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