

Converting Colors

XYZ(21.7975, 19.6948, 80.9472)

Have a look what the booklet for
XYZ(21.7975, 19.6948, 80.9472)
contains.

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Color

**XYZ(21.8328, 19.6729,
81.2438)**

Conversions

Conversions Part 1

Format	Color
Hex	0079EB
RGB	0, 121, 235
RGB Percent	0%, 47%, 92%
CMY	0.9997, 0.5255, 0.0784
CMYK	1.00, 0.49, 0.00, 0.08
HSL	209°, 100%, 46%
HSV	209°, 100%, 92%
XYZ	21.8328, 19.6729, 81.2438
YIQ	97.8170, -108.7100, 9.8020

Conversions

Conversions Part 2

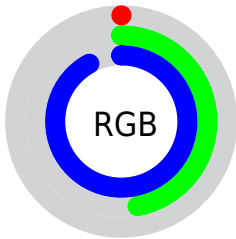
Format	Color
R_{YB}	0, 80, 235
Decimal	31211
CIE _{Lab}	51.47, 15.42, -65.08
CIE _{LCh}	51, 66.883, 283.327
Yxy	19.6729, 0.1779, 0.1603
Android (android.graphics.Color)	4278221291 (0xFF0079EB)
YUV	97.8170, 67.6312, -85.7855
Hunter-Lab	44.3541, 10.2448, -77.5540

Details

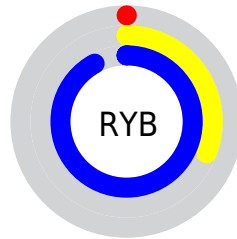
The XYZ color **21.8328, 19.6729, 81.2438** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **40.2864, 29.7123, 3.6136**, and the grayscale version is **11.4262, 12.0212, 13.0911**.

A 20% lighter version of the original color is **39.0570, 40.2329, 100.3150**, and **10.4847, 8.1119, 43.1326** is the 20% darker color. If you saturate the color by 10%, you get **21.8289, 19.6651, 81.2430**, and if you desaturate by 10%, it is **23.6681, 22.7993, 81.7510**.

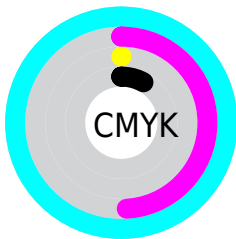
Distribution



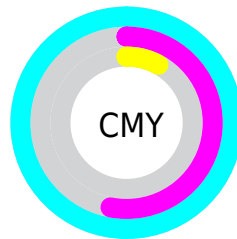
- Red (0%)
- Green (47%)
- Blue (92%)



- Red (0%)
- Yellow (31%)
- Blue (92%)



- Cyan (100%)
- Magenta (49%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (53%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8328, 19.6729, 81.2438 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 21.8328, 19.6729, 81.2438 by changing the saturation by 10% instead.

■ 21.8328, 19.6729,
81.2438

■ 21.8328, 19.6729,
81.2438

254.3207,
250.1388, 518.9316

■ 13.8500, 12.1575,
60.2102

■ 45.9504, 42.8681,
136.9402

■ 8.0974, 6.8510,
43.1617

■ 62.8159, 59.3167,
172.4401

■ 4.2097, 3.3691,
29.6797

■ 83.3731, 79.5118,
213.5992

■ 1.8214, 1.3273,
19.3456

■ 107.9872,
103.8378, 260.8360

■ 0.5305, 0.1622,
11.7409

■ 137.0237,
132.6791, 314.5692

■ 0.0000, 0.0000,
6.4471

170.8479,

■ 0.0000, 0.0000,

166.4201, 375.2171

3.0457

209.8251,
205.4452, 443.1984

■ 0.0000, 0.0000,
1.1180

■ 0.0000, 0.0000,
0.0000

■ 21.8328, 19.6729,
81.2438

■ 21.8328, 19.6729,
81.2438

■ 21.8289, 19.6651,
81.2430

■ 23.6681, 22.7993,
81.7510

■ 26.1149, 26.4922,
82.3349

■ 29.3187, 30.8342,
83.0041

■ 33.3665, 35.8774,
83.7642

■ 38.3318, 41.6669,
84.6200

■ 44.2795, 48.2430,
85.5758

■ 51.2682, 55.6421,
86.6356

■ 59.3513, 63.8984,
87.8032

■ 68.5786, 73.0436,
89.0821

Harmonies

Analogous

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



15.2357, 19.6729, 79.8929



21.8328, 19.6729, 81.2438



29.0216, 19.6729, 61.1102

Triad

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



21.8328, 19.6729, 81.2438



29.7418, 19.6729, 4.7545



8.8623, 19.6729, 12.4718

Complementary

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



21.8328, 19.6729, 81.2438



40.2864, 29.7123, 3.6136

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.



11.1695, 19.6729, 4.2167



21.8328, 19.6729, 81.2438



22.6499, 19.6729, 1.9414

Square

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



21.8328, 19.6729, 81.2438



34.2721, 19.6729, 13.9825



15.8795, 19.6729, 1.8308



8.7443, 19.6729, 31.1160

Rectangle

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



21.8328, 19.6729, 81.2438



32.7589, 19.6729, 42.6570



15.8795, 19.6729, 1.8308



9.3768, 19.6729, 8.7465

Sweetspot

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



21.8337, 19.6734, 81.2443



61.5650, 66.8242, 104.2613



32.7249, 60.6237, 25.7827



12.3832, 13.4708, 22.1974



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.



21.8337, 19.6734, 81.2443



26.2016, 23.5232, 97.7672



15.0396, 6.0851, 78.9796



14.8725, 15.8314, 19.1941



12.2772, 11.2015, 45.2580



1.0603, 1.0722, 3.5859

Inverse Universe

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



37.7131, 19.0442, 19.7774



45.3546, 22.9058, 23.5969



62.8613, 74.8619, 11.1386



15.3892, 15.1835, 17.3347



21.0523, 10.6236, 11.3426



1.7017, 0.8536, 1.1466

Previews

White Background



This preview shows how the XYZ color 21.8328, 19.6729, 81.2438 looks on a white background.

Color Contrast Check

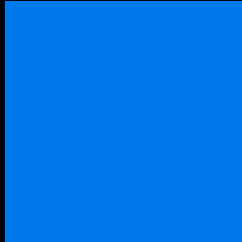
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8328, 19.6729, 81.2438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

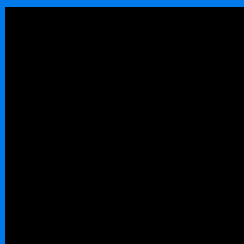
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

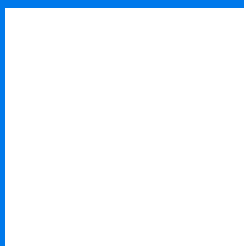
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8328, 19.6729, 81.2438

Background



This preview shows how black text looks on a background with the XYZ color 21.8328, 19.6729, 81.2438.



This preview shows how white text looks on a background with the XYZ color 21.8328, 19.6729,

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

21.8328, 19.6729, 81.2438

Protanopia

22.8476, 19.7129, 78.9447

Deuteranopia

19.9885, 19.7292, 69.0843



Tritanopia

13.8382, 19.6219, 29.4436

Trichromacy



Original Color

21.8328, 19.6729, 81.2438

Protanomaly

22.1041, 19.4889, 79.6875

Deuteranomaly

20.6622, 19.7971, 73.2532

Tritanomaly

16.0521, 19.4069, 44.4948

Monochromacy



Original Color

21.8328, 19.6729, 81.2438

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.4859, 13.4703, 29.9589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8328, 19.6729, 81.2438 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, 121, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 235)  
}
```

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, 121, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 235) }
```

Border

The CSS property to change the border of an element to XYZ 21.8328, 19.6729, 81.2438 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, 121, 235) }
```


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

```
.border{ border-color:rgb(0, 121, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 121, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 121,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8328, 19.6729, 81.2438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 235) }
```

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

```
.background{ background-color: rgb(0, 121,  
235) }
```

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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