

Converting Colors

XYZ(21.4538, 18.4148, 82.6594)

Have a look what the booklet for
XYZ(21.4538, 18.4148, 82.6594)
contains.

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Color

**XYZ(21.4168, 18.3759,
82.5389)**

Conversions

Conversions Part 1

Format	Color
Hex	0073ED
RGB	0, 115, 237
RGB Percent	0%, 45%, 93%
CMY	0.9997, 0.5490, 0.0706
CMYK	1.00, 0.51, 0.00, 0.07
HSL	211°, 100%, 46%
HSV	211°, 100%, 93%
XYZ	21.4168, 18.3759, 82.5389
YIQ	94.5230, -107.7020, 13.5620

Conversions

Conversions Part 2

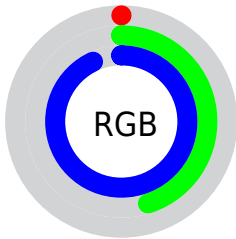
Format	Color
RYB	0, 77, 237
Decimal	29677
CIELab	49.95, 20.00, -68.65
CIELCh	50, 71.508, 286.238
Yxy	18.3759, 0.1751, 0.1502
Android (android.graphics.Color)	4278219757 (0xFF0073ED)
YUV	94.5230, 70.2412, -82.8967
Hunter-Lab	42.8671, 14.1627, -84.1535

Details

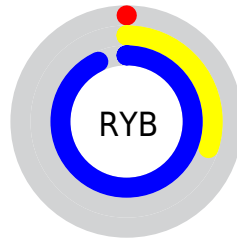
The XYZ color **21.4168, 18.3759, 82.5389** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **41.8931, 31.9398, 3.9588**, and the grayscale version is **10.6249, 11.1782, 12.1730**.

A 20% lighter version of the original color is **37.8706, 37.6806, 99.8848**, and **10.3053, 7.4295, 44.0709** is the 20% darker color. If you saturate the color by 10%, you get **21.4131, 18.3684, 82.5381**, and if you desaturate by 10%, it is **23.2729, 21.5371, 83.0517**.

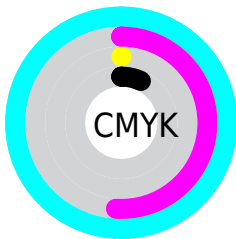
Distribution



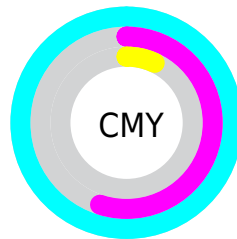
- Red (0%)
- Green (45%)
- Blue (93%)



- Red (0%)
- Yellow (30%)
- Blue (93%)



- Cyan (100%)
- Magenta (51%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (55%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4168, 18.3759, 82.5389 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 21.4168, 18.3759, 82.5389 by changing the saturation by 10% instead.

■ 21.4168, 18.3759,
82.5389

■ 21.4168, 18.3759,
82.5389

252.1753,
242.9814, 523.3792

■ 13.5432, 11.2202,
61.2714

■ 45.2662, 40.6768,
138.7729

■ 7.8832, 6.2151,
44.0123

■ 61.9728, 56.5908,
174.5766

■ 4.0715, 2.9763,
30.3429

■ 82.3544, 76.1930,
216.0627

■ 1.7427, 1.1194,
19.8447

■ 106.7764, 99.8679,
263.6498

■ 0.4827, 0.0000,
12.0993

■ 135.6041,
127.9998, 317.7565

■ 0.0000, 0.0000,
6.6880

169.2030,

■ 0.0000, 0.0000,

160.9730, 378.8012

3.1923

207.9382,
199.1721, 447.2026

■ 0.0000, 0.0000,
1.1936

■ 0.0000, 0.0000,
0.0000

■ 21.4168, 18.3759,
82.5389

■ 21.4168, 18.3759,
82.5389

■ 21.4131, 18.3684,
82.5381

■ 23.2729, 21.5371,
83.0517

■ 25.7716, 25.3132,
83.6489

■ 29.0618, 29.7904,
84.3397

■ 33.2335, 35.0244,
85.1300

■ 38.3629, 41.0630,
86.0253

■ 44.5173, 47.9493,
87.0301

■ 51.7572, 55.7227,
88.1489

■ 60.1383, 64.4196,
89.3859

■ 69.7121, 74.0740,
90.7448

Harmonies

Analogous

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



14.5141, 18.3759, 83.6296



21.4168, 18.3759, 82.5389



28.8193, 18.3759, 59.1214

Triad

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



21.4168, 18.3759, 82.5389



28.2606, 18.3759, 3.2533



7.5366, 18.3759, 12.3047

Complementary

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



21.4168, 18.3759, 82.5389



41.8931, 31.9398, 3.9588

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.



9.5711, 18.3759, 3.6091



21.4168, 18.3759, 82.5389



20.7927, 18.3759, 1.1793

Square

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



21.4168, 18.3759, 82.5389



33.4232, 18.3759, 11.2001



14.0332, 18.3759, 1.2444



7.6211, 18.3759, 32.5289

Rectangle

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



21.4168, 18.3759, 82.5389



32.5196, 18.3759, 39.3985



14.0332, 18.3759, 1.2444



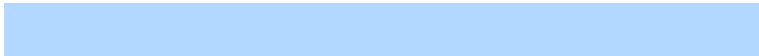
7.9666, 18.3759, 8.3266

Sweetspot

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



21.4177, 18.3764, 82.5394



60.9810, 65.6561, 104.0666



33.5869, 61.8899, 27.4816



12.2452, 13.1949, 22.1514



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.



21.4177, 18.3764, 82.5394



25.2199, 21.5598, 97.4400



15.2877, 6.1163, 80.4961



14.8343, 15.7550, 19.1814



11.8211, 10.2891, 45.1059



1.0242, 0.9999, 3.5739

Inverse Universe

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



38.0205, 19.2438, 17.9302



44.8590, 22.7076, 20.9876



65.2100, 78.5735, 11.7311



15.3699, 15.1758, 17.2333



20.8220, 10.5315, 10.1301



1.6835, 0.8464, 1.0505

Previews

White Background



This preview shows how the XYZ color 21.4168, 18.3759, 82.5389 looks on a white background.

Color Contrast Check

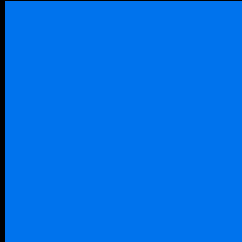
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4168, 18.3759, 82.5389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

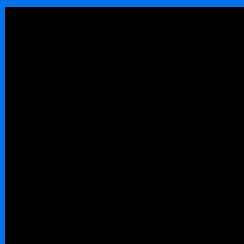
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

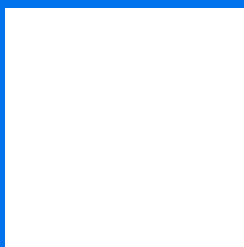
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4168, 18.3759, 82.5389

Background



This preview shows how black text looks on a background with the XYZ color 21.4168, 18.3759, 82.5389.



This preview shows how white text looks on a background with the XYZ color 21.4168, 18.3759,

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

21.4168, 18.3759, 82.5389

Protanopia

21.8852, 18.4658, 81.7677

Deuteranopia

18.4702, 18.3279, 63.5369



Tritanopia

12.8499, 18.1260, 27.6324

Trichromacy



Original Color

21.4168, 18.3759, 82.5389

Protanomaly

21.5110, 18.2729, 81.7502

Deuteranomaly

19.5151, 18.3610, 70.2256

Tritanomaly

15.0715, 17.7624, 43.1916

Monochromacy



Original Color

21.4168, 18.3759, 82.5389

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.8813, 12.5700, 29.4038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4168, 18.3759, 82.5389 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, 115, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 115, 237)  
}
```

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, 115, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 115, 237) }
```

Border

The CSS property to change the border of an element to XYZ 21.4168, 18.3759, 82.5389 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, 115, 237) }
```


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

```
.border{ border-color:rgb(0, 115, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 115, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 115, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 115, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 115,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4168, 18.3759, 82.5389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 115, 237) }
```

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

```
.background{ background-color: rgb(0, 115,  
237) }
```

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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