

Converting Colors

XYZ(21.0802, 17.7028, 82.4267)

Have a look what the booklet for
XYZ(21.0802, 17.7028, 82.4267)
contains.

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Color

**XYZ(21.0802, 17.7028,
82.4267)**

Conversions

Conversions Part 1

Format	Color
Hex	0070ED
RGB	0, 112, 237
RGB Percent	0%, 44%, 93%
CMY	0.9998, 0.5608, 0.0706
CMYK	1.00, 0.53, 0.00, 0.07
HSL	212°, 100%, 46%
HSV	212°, 100%, 93%
XYZ	21.0802, 17.7028, 82.4267
YIQ	92.7620, -106.8770, 15.1310

Conversions

Conversions Part 2

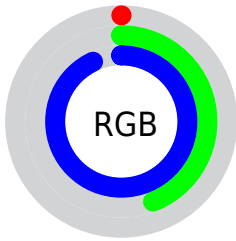
Format	Color
RYB	0, 76, 237
Decimal	28909
CIELab	49.13, 21.91, -69.98
CIELCh	49, 73.327, 287.383
Yxy	17.7028, 0.1739, 0.1461
Android (android.graphics.Color)	4278218989 (0xFF0070ED)
YUV	92.7620, 71.1093, -81.3523
Hunter-Lab	42.0747, 15.8011, -86.7002

Details

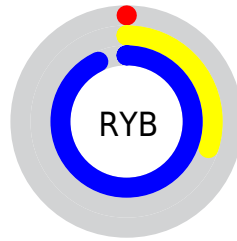
The XYZ color **21.0802, 17.7028, 82.4267** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **42.2667, 32.6871, 4.0832**, and the grayscale version is **10.2113, 10.7431, 11.6992**.

A 20% lighter version of the original color is **37.3315, 36.6025, 99.7052**, and **10.1864, 7.1917, 44.0313** is the 20% darker color. If you saturate the color by 10%, you get **21.0769, 17.6960, 82.4260**, and if you desaturate by 10%, it is **22.9280, 20.8475, 82.9368**.

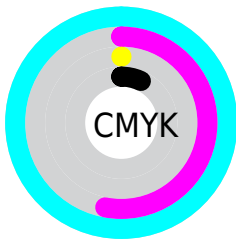
Distribution



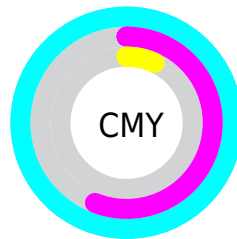
- Red (0%)
- Green (44%)
- Blue (93%)



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



- Cyan (100%)
- Magenta (53%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (56%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0802, 17.7028, 82.4267 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 21.0802, 17.7028, 82.4267 by changing the saturation by 10% instead.

■ 21.0802, 17.7028,
82.4267

■ 21.0802, 17.7028,
82.4267

250.4281,
239.1905, 522.9947

■ 13.2954, 10.7368,
61.1795

■ 44.7112, 39.5302,
138.6143

■ 7.7107, 5.8902,
43.9385

■ 61.2882, 55.1605,
174.3917

■ 3.9606, 2.7784,
30.2853

■ 81.5267, 74.4477,
215.8495

■ 1.6799, 1.0172,
19.8014

■ 105.7919, 97.7761,
263.4064

■ 0.4436, 0.0000,
12.0681

■ 134.4493,
125.5302, 317.4808

■ 0.0000, 0.0000,
6.6670

167.8642,

■ 0.0000, 0.0000,

158.0944, 378.4913

3.1794

206.4020,
195.8530, 446.8564

■ 0.0000, 0.0000,
1.1870

■ 0.0000, 0.0000,
0.0000

■ 21.0802, 17.7028,
82.4267

■ 21.0802, 17.7028,
82.4267

■ 21.0769, 17.6960,
82.4260

■ 22.9280, 20.8475,
82.9368

■ 25.4263, 24.6230,
83.5338

■ 28.7247, 29.1166,
84.2274

■ 32.9135, 34.3850,
85.0235

■ 38.0695, 40.4772,
85.9276

■ 44.2605, 47.4370,
86.9447

■ 51.5474, 55.3048,
88.0793

■ 59.9863, 64.1176,
89.3355

■ 69.6292, 73.9104,
90.7175

Harmonies

Analogous

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



14.1074, 17.7028, 84.5865



21.0802, 17.7028, 82.4267



28.5123, 17.7028, 57.8096

Triad

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



21.0802, 17.7028, 82.4267



27.4245, 17.7028, 2.7023



6.9609, 17.7028, 12.1482

Complementary

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



21.0802, 17.7028, 82.4267



42.2667, 32.6871, 4.0832

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.



8.8692, 17.7028, 3.3469



21.0802, 17.7028, 82.4267



19.8732, 17.7028, 0.9198

Square

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



21.0802, 17.7028, 82.4267



32.8045, 17.7028, 10.0522



13.1865, 17.7028, 1.0317



7.1196, 17.7028, 32.8997

Rectangle

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



21.0802, 17.7028, 82.4267



32.1661, 17.7028, 37.7472



13.1865, 17.7028, 1.0317



7.3542, 17.7028, 8.0959

Sweetspot

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



21.0811, 17.7032, 82.4272



60.7344, 65.1629, 103.9844



33.8277, 61.9862, 28.7500



12.1871, 13.0786, 22.1321



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.



21.0811, 17.7032, 82.4272



24.8235, 20.7669, 97.3078



15.3370, 6.1416, 80.4983



14.8181, 15.7226, 19.1760



11.6364, 9.9199, 45.0444



1.0094, 0.9703, 3.5690

Inverse Universe

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



37.8505, 19.1758, 17.0357



44.6589, 22.6276, 19.9338



63.9058, 77.9012, 11.6699



15.3617, 15.1725, 17.1901



20.7288, 10.4942, 9.6394



1.6760, 0.8434, 1.0112

Previews

White Background



This preview shows how the XYZ color 21.0802, 17.7028, 82.4267 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 21.0802, 17.7028, 82.4267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

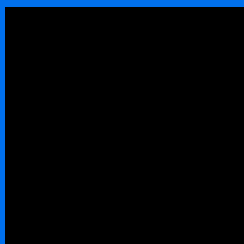
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

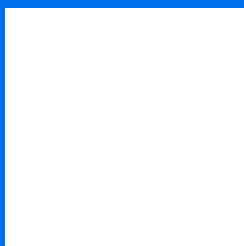
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0802, 17.7028, 82.4267

Background



This preview shows how black text looks on a background with the XYZ color 21.0802, 17.7028, 82.4267.



This preview shows how white text looks on a background with the XYZ color 21.0802, 17.7028,

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

21.0802, 17.7028, 82.4267

Protanopia

21.3297, 17.8314, 82.4384

Deuteranopia

17.7374, 17.6499, 60.8644



Tritanopia

12.3656, 17.5067, 26.3943

Trichromacy



Original Color

21.0802, 17.7028, 82.4267

Protanomaly

21.2182, 17.7739, 82.4331

Deuteranomaly

18.7698, 17.5005, 68.0343

Tritanomaly

14.6258, 17.1830, 42.0810

Monochromacy



Original Color

21.0802, 17.7028, 82.4267

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.4716, 12.0885, 28.5168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0802, 17.7028, 82.4267 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, 112, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 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, 112, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 237) }
```

Border

The CSS property to change the border of an element to XYZ 21.0802, 17.7028, 82.4267 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, 112, 237) }
```


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

```
.border{ border-color:rgb(0, 112, 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, 112, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 112,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0802, 17.7028, 82.4267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 237) }
```

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

```
.background{ background-color: rgb(0, 112,  
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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