

Converting Colors

XYZ(14.2185, 16.7287, 78.3259)

Have a look what the booklet for
XYZ(14.2185, 16.7287, 78.3259)
contains.

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Color

**XYZ(21.8847, 20.6912,
78.4417)**

Conversions

Conversions Part 1

Format	Color
Hex	007EE7
RGB	0, 126, 231
RGB Percent	0%, 49%, 91%
CMY	0.9997, 0.5059, 0.0941
CMYK	1.00, 0.45, 0.00, 0.09
HSL	207°, 100%, 45%
HSV	207°, 100%, 91%
XYZ	21.8847, 20.6912, 78.4417
YIQ	100.2960, -108.8010, 5.9430

Conversions

Conversions Part 2

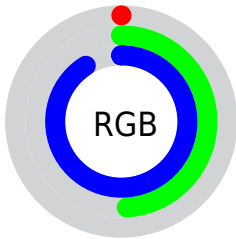
Format	Color
RYB	0, 82, 231
Decimal	32487
CIELab	52.61, 10.73, -61.00
CIELCh	53, 61.934, 279.973
Yxy	20.6912, 0.1808, 0.1710
Android (android.graphics.Color)	4278222567 (0xFF007EE7)
YUV	100.2960, 64.4371, -87.9596
Hunter-Lab	45.4876, 6.2755, -70.4022

Details

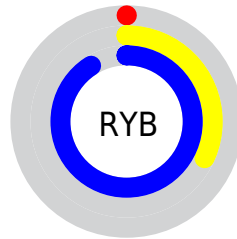
The XYZ color **21.8847, 20.6912, 78.4417** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **38.0140, 27.1060, 3.2303**, and the grayscale version is **12.0544, 12.6822, 13.8109**.

A 20% lighter version of the original color is **39.9143, 42.1250, 100.6350**, and **10.4623, 8.5439, 41.6552** is the 20% darker color. If you saturate the color by 10%, you get **21.8809, 20.6836, 78.4409**, and if you desaturate by 10%, it is **23.6563, 23.7041, 78.9304**.

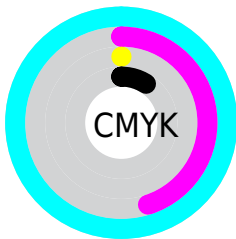
Distribution



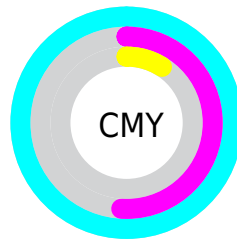
- Red (0%)
- Green (49%)
- Blue (91%)



- Red (0%)
- Yellow (32%)
- Blue (91%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (51%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8847, 20.6912, 78.4417 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 21.8847, 20.6912, 78.4417 by changing the saturation by 10% instead.

■ 21.8847, 20.6912,
78.4417

■ 21.8847, 20.6912,
78.4417

254.5873,
255.6328, 509.2332

■ 13.8883, 12.8985,
57.9183

■ 46.0356, 44.5730,
132.9641

■ 8.1242, 7.3587,
41.3287

■ 62.9209, 61.4309,
167.8002

■ 4.2270, 3.6874,
28.2544

■ 83.4999, 82.0793,
208.2443

■ 1.8313, 1.5003,
18.2768

■ 108.1378,
106.9026, 254.7149

■ 0.5364, 0.2889,
10.9774

■ 137.2002,
136.2852, 307.6305

■ 0.0000, 0.0000,
5.9377

171.0523,

■ 0.0000, 0.0000,

170.6116, 367.4098

2.7390

210.0596,
210.2659, 434.4711

■ 0.0000, 0.0000,
0.9630

■ 0.0000, 0.0000,
0.0000

■ 21.8847, 20.6912,
78.4417

■ 21.8847, 20.6912,
78.4417

■ 21.8809, 20.6836,
78.4409

■ 23.6563, 23.7041,
78.9304

■ 25.9974, 27.2261,
79.4868

■ 29.0476, 31.3349,
80.1191

■ 32.8893, 36.0789,
80.8323

■ 37.5921, 41.4993,
81.6307

■ 43.2174, 47.6331,
82.5182

■ 49.8206, 54.5139,
83.4983

■ 57.4521, 62.1727,
84.5743

■ 66.1590, 70.6386,
85.7495

Harmonies

Analogous

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



15.7311, 20.6912, 74.8118



21.8847, 20.6912, 78.4417



28.7200, 20.6912, 61.9839

Triad

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



21.8847, 20.6912, 78.4417



30.7364, 20.6912, 6.5851



10.1919, 20.6912, 12.4535

Complementary

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



21.8847, 20.6912, 78.4417



38.0140, 27.1060, 3.2303

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.



12.7487, 20.6912, 4.8363



21.8847, 20.6912, 78.4417



24.2086, 20.6912, 2.9551

Square

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



21.8847, 20.6912, 78.4417



34.5183, 20.6912, 16.9399



17.6032, 20.6912, 2.5598



9.8346, 20.6912, 29.2298

Rectangle

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



21.8847, 20.6912, 78.4417



32.4209, 20.6912, 45.2817



17.6032, 20.6912, 2.5598



10.7912, 20.6912, 9.0556

Sweetspot

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



21.8856, 20.6918, 78.4423



62.1753, 68.0447, 104.4647



31.0750, 58.1519, 22.6798



12.5277, 13.7598, 22.2456



0.0000, 0.0000, 0.0000



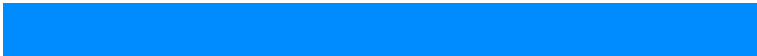
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.8856, 20.6918, 78.4423



27.2909, 25.7019, 98.1303



14.5516, 6.0237, 75.9976



14.2309, 15.1832, 18.3249



12.3924, 11.8469, 44.0167



1.0083, 1.0606, 3.2835

Inverse Universe

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



36.7219, 18.4969, 21.3736



45.9044, 23.1258, 26.4924



58.4057, 67.8895, 10.0276



14.7041, 14.4988, 16.6423



20.6486, 10.3937, 12.3105



1.5726, 0.7867, 1.1558

Previews

White Background



This preview shows how the XYZ color 21.8847, 20.6912, 78.4417 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 21.8847, 20.6912, 78.4417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

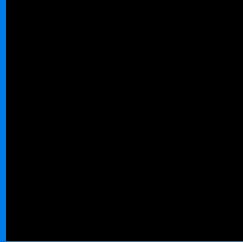
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

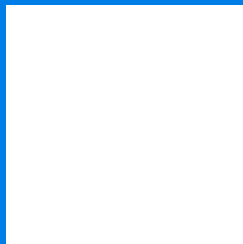
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8847, 20.6912, 78.4417

Background



This preview shows how black text looks on a background with the XYZ color 21.8847, 20.6912, 78.4417.



This preview shows how white text looks on a background with the XYZ color 21.8847, 20.6912,

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

21.8847, 20.6912, 78.4417

Protanopia

23.3125, 20.5822, 74.6956

Deuteranopia

21.1800, 20.6150, 74.0969



Tritanopia

14.5779, 20.6034, 31.2255

Trichromacy



Original Color

21.8847, 20.6912, 78.4417

Protanomaly

22.2133, 20.3482, 76.1556

Deuteranomaly

21.4545, 20.7248, 75.5426

Tritanomaly

16.5610, 20.2645, 45.1581

Monochromacy



Original Color

21.8847, 20.6912, 78.4417

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.9283, 14.1654, 30.0698

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8847, 20.6912, 78.4417 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, 126, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 231)  
}
```

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, 126, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 231) }
```

Border

The CSS property to change the border of an element to XYZ 21.8847, 20.6912, 78.4417 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, 126, 231) }
```


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

```
.border{ border-color:rgb(0, 126, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 126, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8847, 20.6912, 78.4417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 231) }
```

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

```
.background{ background-color: rgb(0, 126,  
231) }
```

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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