

Converting Colors

XYZ(19.9769, 19.2933, 77.5468)

Have a look what the booklet for
XYZ(19.9769, 19.2933, 77.5468)
contains.

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Color

**XYZ(21.4906, 20.1285,
77.6154)**

Conversions

Conversions Part 1

Format	Color
Hex	007CE6
RGB	0, 124, 230
RGB Percent	0%, 49%, 90%
CMY	0.9998, 0.5137, 0.0980
CMYK	1.00, 0.46, 0.00, 0.10
HSL	208°, 100%, 45%
HSV	208°, 100%, 90%
XYZ	21.4906, 20.1285, 77.6154
YIQ	99.0080, -107.9300, 6.6780

Conversions

Conversions Part 2

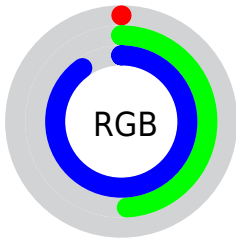
Format	Color
RYB	0, 81, 230
Decimal	31974
CIELab	51.98, 11.58, -61.45
CIELCh	52, 62.530, 280.673
Yxy	20.1285, 0.1802, 0.1688
Android (android.graphics.Color)	4278222054 (0xFF007CE6)
YUV	99.0080, 64.5791, -86.8300
Hunter-Lab	44.8648, 6.9895, -71.1654

Details

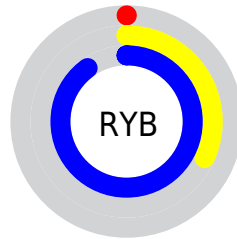
The XYZ color **21.4906, 20.1285, 77.6154** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **37.7941, 27.1440, 3.2491**, and the grayscale version is **11.7288, 12.3396, 13.4378**.

A 20% lighter version of the original color is **39.5192, 41.3348, 100.5033**, and **10.2244, 8.2249, 41.0931** is the 20% darker color. If you saturate the color by 10%, you get **21.4872, 20.1215, 77.6147**, and if you desaturate by 10%, it is **23.2465, 23.1136, 78.0995**.

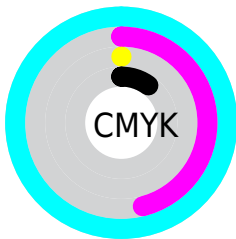
Distribution



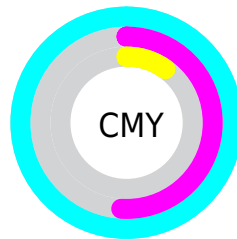
- Red (0%)
- Green (49%)
- Blue (90%)



- Red (0%)
- Yellow (32%)
- Blue (90%)



- Cyan (100%)
- Magenta (46%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (51%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4906, 20.1285, 77.6154 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 21.4906, 20.1285, 77.6154 by changing the saturation by 10% instead.

■ 21.4906, 20.1285,
77.6154

■ 21.4906, 20.1285,
77.6154

252.5571,
252.6099, 506.3530

■ 13.5976, 12.4885,
57.2435

■ 45.3878, 43.6325,
131.7887

■ 7.9211, 7.0773,
40.7901

■ 62.1226, 60.2653,
166.4273

■ 4.0959, 3.5105,
27.8367

■ 82.5355, 80.6645,
206.6585

■ 1.7565, 1.4037,
17.9646

■ 106.9917,
105.2144, 252.9009

■ 0.4913, 0.2194,
10.7554

■ 135.8566,
134.2996, 305.5730

■ 0.0000, 0.0000,
5.7905

169.4955,

■ 0.0000, 0.0000,

168.3043, 365.0933

2.6514

208.2739,
207.6129, 431.8805

■ 0.0000, 0.0000,
0.9188

■ 0.0000, 0.0000,
0.0000

■ 21.4906, 20.1285,
77.6154

■ 21.4906, 20.1285,
77.6154

■ 21.4872, 20.1215,
77.6147

■ 23.2465, 23.1136,
78.0995

■ 25.5695, 26.6094,
78.6519

■ 28.5981, 30.6936,
79.2806

■ 32.4141, 35.4142,
79.9906

■ 37.0865, 40.8124,
80.7863

■ 42.6762, 46.9251,
81.6716

■ 49.2380, 53.7858,
82.6500

■ 56.8222, 61.4255,
83.7248

■ 65.4754, 69.8733,
84.8993

Harmonies

Analogous

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



15.3575, 20.1285, 74.4756



21.4906, 20.1285, 77.6154



28.2754, 20.1285, 60.7365

Triad

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



21.4906, 20.1285, 77.6154



30.0053, 20.1285, 6.0831



9.7452, 20.1285, 12.2365

Complementary

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



21.4906, 20.1285, 77.6154



37.7941, 27.1440, 3.2491

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.



12.2079, 20.1285, 4.6254



21.4906, 20.1285, 77.6154



23.4781, 20.1285, 2.6837

Square

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



21.4906, 20.1285, 77.6154



33.8678, 20.1285, 16.0411



16.9518, 20.1285, 2.3598



9.4432, 20.1285, 29.0755

Rectangle

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



21.4906, 20.1285, 77.6154



31.9193, 20.1285, 43.9773



16.9518, 20.1285, 2.3598



10.3169, 20.1285, 8.8343

Sweetspot

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



21.4915, 20.1291, 77.6160



62.0485, 67.7912, 104.4224



30.7728, 57.5844, 22.4660



12.4976, 13.6997, 22.2356



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.



21.4915, 20.1291, 77.6160



27.0593, 25.2387, 98.0531



14.4100, 5.9660, 75.2554



14.2231, 15.1676, 18.3223



12.2885, 11.6391, 43.9821



1.0008, 1.0455, 3.2810

Inverse Universe

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



36.2721, 18.2797, 20.6856



45.7875, 23.0790, 25.8768



57.8359, 67.2277, 9.9297



14.7002, 14.4973, 16.6217



20.5962, 10.3727, 12.0344



1.5688, 0.7852, 1.1357

Previews

White Background



This preview shows how the XYZ color 21.4906, 20.1285, 77.6154 looks on a white background.

Color Contrast Check

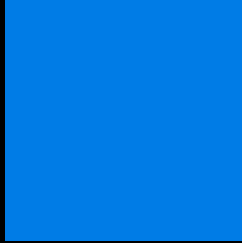
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4906, 20.1285, 77.6154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

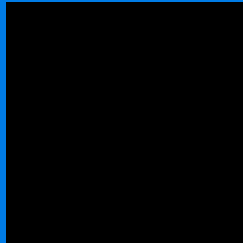
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

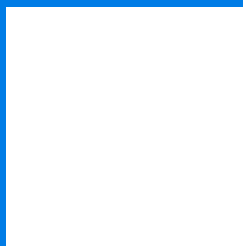
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4906, 20.1285, 77.6154

Background



This preview shows how black text looks on a background with the XYZ color 21.4906, 20.1285, 77.6154.



This preview shows how white text looks on a background with the XYZ color 21.4906, 20.1285,

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

21.4906, 20.1285, 77.6154

Protanopia

22.9697, 20.2260, 74.6449

Deuteranopia

20.5120, 20.1422, 71.2133



Tritanopia

14.1340, 19.9666, 30.3031

Trichromacy



Original Color

21.4906, 20.1285, 77.6154

Protanomaly

21.7847, 19.7787, 75.3425

Deuteranomaly

20.7882, 20.0490, 73.2952

Tritanomaly

16.1871, 19.6769, 44.5398

Monochromacy



Original Color

21.4906, 20.1285, 77.6154

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.6789, 13.8885, 29.6163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4906, 20.1285, 77.6154 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, 124, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 124, 230)  
}
```

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, 124, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 230) }
```

Border

The CSS property to change the border of an element to XYZ 21.4906, 20.1285, 77.6154 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, 124, 230) }
```


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

```
.border{ border-color:rgb(0, 124, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 124, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 124,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4906, 20.1285, 77.6154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 124, 230) }
```

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

```
.background{ background-color: rgb(0, 124,  
230) }
```

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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