

Converting Colors

XYZ(22.5227, 20.5526, 83.0157)

Have a look what the booklet for
XYZ(22.5227, 20.5526, 83.0157)
contains.

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Color

**XYZ(22.4937, 20.5297,
82.8979)**

Conversions

Conversions Part 1

Format	Color
Hex	007CED
RGB	0, 124, 237
RGB Percent	0%, 49%, 93%
CMY	0.9997, 0.5137, 0.0706
CMYK	1.00, 0.48, 0.00, 0.07
HSL	209°, 100%, 46%
HSV	209°, 100%, 93%
XYZ	22.4937, 20.5297, 82.8979
YIQ	99.8060, -110.1770, 8.8550

Conversions

Conversions Part 2

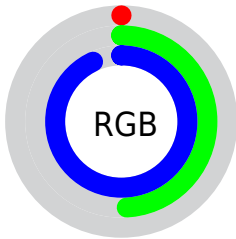
Format	Color
RYB	0, 81, 237
Decimal	31981
CIELab	52.43, 14.31, -64.64
CIELCh	52, 66.206, 282.486
Yxy	20.5297, 0.1786, 0.1630
Android (android.graphics.Color)	4278222061 (0xFF007CED)
YUV	99.8060, 67.6366, -87.5299
Hunter-Lab	45.3097, 9.3231, -76.7592

Details

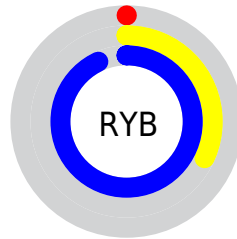
The XYZ color **22.4937, 20.5297, 82.8979** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **40.8379, 29.8294, 3.6071**, and the grayscale version is **11.9225, 12.5434, 13.6597**.

A 20% lighter version of the original color is **39.7597, 41.4588, 100.5145**, and **10.8227, 8.4642, 44.2433** is the 20% darker color. If you saturate the color by 10%, you get **22.4900, 20.5222, 82.8972**, and if you desaturate by 10%, it is **24.3636, 23.7185, 83.4154**.

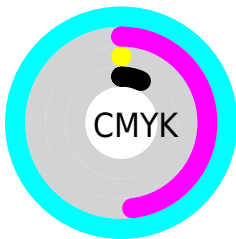
Distribution



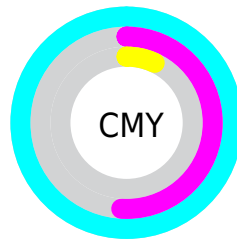
- Red (0%)
- Green (49%)
- Blue (93%)



- Red (0%)
- Yellow (32%)
- Blue (93%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4937, 20.5297, 82.8979 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 22.4937, 20.5297, 82.8979 by changing the saturation by 10% instead.

■ 22.4937, 20.5297,
82.8979

■ 22.4937, 20.5297,
82.8979

257.6979,
254.7684, 524.6083

■ 14.3387, 12.7807,
61.5658

■ 47.0334, 44.3035,
139.2804

■ 8.4399, 7.2777,
44.2484

■ 64.1489, 61.0971,
175.1679

■ 4.4319, 3.6364,
30.5272

■ 84.9820, 81.6742,
216.7443

■ 1.9492, 1.4723,
19.9837

■ 109.8979,
106.4195, 264.4281

■ 0.6052, 0.2691,
12.1992

■ 139.2621,
135.7171, 318.6378

■ 0.0000, 0.0000,
6.7553

173.4400,

■ 0.0000, 0.0000,

169.9515, 379.7921

3.2334

212.7968,
209.5072, 448.3094

■ 0.0000, 0.0000,
1.2150

■ 0.0000, 0.0000,
0.0000

■ 22.4937, 20.5297,
82.8979

■ 22.4937, 20.5297,
82.8979

■ 22.4900, 20.5222,
82.8972

■ 24.3636, 23.7185,
83.4154

■ 26.8526, 27.4751,
84.0093

■ 30.1082, 31.8831,
84.6885

■ 34.2189, 36.9952,
85.4586

■ 39.2598, 42.8568,
86.3243

■ 45.2968, 49.5084,
87.2900

■ 52.3893, 56.9871,
88.3597

■ 60.5919, 65.3270,
89.5372

■ 69.9551, 74.5601,
90.8258

Harmonies

Analogous

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



15.8198, 20.5297, 80.8677



22.4937, 20.5297, 82.8979



29.8006, 20.5297, 63.1703

Triad

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



22.4937, 20.5297, 82.8979



30.8947, 20.5297, 5.3533



9.4734, 20.5297, 12.8337

Complementary

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



22.4937, 20.5297, 82.8979



40.8379, 29.8294, 3.6071

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.



11.9158, 20.5297, 4.5026



22.4937, 20.5297, 82.8979



23.7401, 20.5297, 2.2457

Square

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



22.4937, 20.5297, 82.8979



35.3581, 20.5297, 15.1648



16.8077, 20.5297, 2.0661



9.2903, 20.5297, 31.5160

Rectangle

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



22.4937, 20.5297, 82.8979



33.6398, 20.5297, 44.6327



16.8077, 20.5297, 2.0661



10.0255, 20.5297, 9.0866

Sweetspot

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



22.4947, 20.5303, 82.8985



61.7303, 67.1548, 104.3164



33.1343, 61.7089, 25.0982



12.4223, 13.5491, 22.2105



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.



22.4947, 20.5303, 82.8985



26.4903, 24.1006, 97.8634



15.3734, 6.2877, 80.5247



14.8832, 15.8528, 19.1977



12.4112, 11.4693, 45.3026



1.0708, 1.0932, 3.5894

Inverse Universe

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



38.5641, 19.4613, 20.7927



45.5003, 22.9641, 24.3644



62.9734, 74.1003, 10.9856



15.3946, 15.1857, 17.3632



21.1199, 10.6506, 11.6985



1.7070, 0.8558, 1.1745

Previews

White Background



This preview shows how the XYZ color 22.4937, 20.5297, 82.8979 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 22.4937, 20.5297, 82.8979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

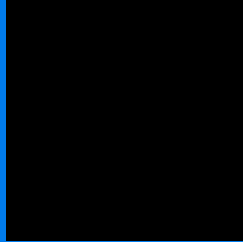
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.4937, 20.5297, 82.8979

Background



This preview shows how black text looks on a background with the XYZ color 22.4937, 20.5297, 82.8979.



This preview shows how white text looks on a background with the XYZ color 22.4937, 20.5297,

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

22.4937, 20.5297, 82.8979

Protanopia

23.6597, 20.6479, 79.8292

Deuteranopia

20.7742, 20.4527, 71.9601



Tritanopia

14.3549, 20.2835, 30.7623

Trichromacy



Original Color

22.4937, 20.5297, 82.8979

Protanomaly

22.7253, 20.3310, 80.5684

Deuteranomaly

21.3260, 20.4678, 75.4997

Tritanomaly

16.6257, 20.0703, 46.1777

Monochromacy



Original Color

22.4937, 20.5297, 82.8979

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.0880, 14.2293, 30.9109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4937, 20.5297, 82.8979 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 124, 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, 124, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 237) }
```

Border

The CSS property to change the border of an element to XYZ 22.4937, 20.5297, 82.8979 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, 237) }
```


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

```
.border{ border-color:rgb(0, 124, 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, 124, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 124,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4937, 20.5297, 82.8979 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, 237) }
```

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

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