

Converting Colors

XYZ(8.5503, 13.3964, 77.6782)

Have a look what the booklet for
XYZ(8.5503, 13.3964, 77.6782)
contains.

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Color

**XYZ(21.6315, 20.1848,
78.3573)**

Conversions

Conversions Part 1

Format	Color
Hex	007CE7
RGB	0, 124, 231
RGB Percent	0%, 49%, 91%
CMY	0.9997, 0.5137, 0.0941
CMYK	1.00, 0.46, 0.00, 0.09
HSL	208°, 100%, 45%
HSV	208°, 100%, 91%
XYZ	21.6315, 20.1848, 78.3573
YIQ	99.1220, -108.2510, 6.9890

Conversions

Conversions Part 2

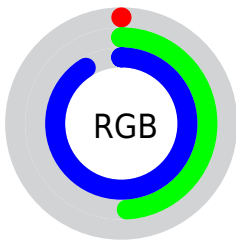
Format	Color
RYB	0, 81, 231
Decimal	31975
CIELab	52.05, 11.97, -61.91
CIELCh	52, 63.054, 280.945
Yxy	20.1848, 0.1800, 0.1680
Android (android.graphics.Color)	4278222055 (0xFF007CE7)
YUV	99.1220, 65.0159, -86.9300
Hunter-Lab	44.9275, 7.3203, -71.9575

Details

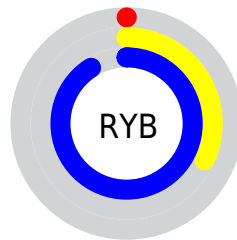
The XYZ color **21.6315, 20.1848, 78.3573** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **38.2203, 27.5185, 3.2991**, and the grayscale version is **11.7566, 12.3689, 13.4697**.

A 20% lighter version of the original color is **39.5192, 41.3348, 100.5033**, and **10.3223, 8.2640, 41.6085** is the 20% darker color. If you saturate the color by 10%, you get **21.6277, 20.1772, 78.3565**, and if you desaturate by 10%, it is **23.4037, 23.1990, 78.8462**.

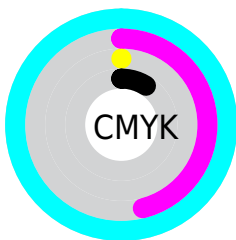
Distribution



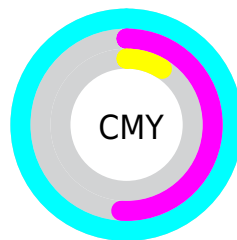
- Red (0%)
- Green (49%)
- Blue (91%)



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



- Cyan (100%)
- Magenta (46%)
- Yellow (0%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6315, 20.1848, 78.3573 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 21.6315, 20.1848, 78.3573 by changing the saturation by 10% instead.

■ 21.6315, 20.1848,
78.3573

■ 21.6315, 20.1848,
78.3573

253.2845,
252.9138, 508.9394

■ 13.7015, 12.5294,
57.8493

■ 45.6196, 43.7268,
132.8441

■ 7.9936, 7.1053,
41.2736

■ 62.4084, 60.3822,
167.6601

■ 4.1426, 3.5281,
28.2117

■ 82.8807, 80.8065,
208.0825

■ 1.7831, 1.4132,
18.2448

■ 107.4021,
105.3839, 254.5298

■ 0.5075, 0.2265,
10.9547

■ 136.3378,
134.4990, 307.4206

■ 0.0000, 0.0000,
5.9226

170.0532,

■ 0.0000, 0.0000,

168.5361, 367.1735

2.7300

208.9136,
207.8795, 434.2069

■ 0.0000, 0.0000,
0.9585

■ 0.0000, 0.0000,
0.0000

■ 21.6315, 20.1848,
78.3573

■ 21.6315, 20.1848,
78.3573

■ 21.6277, 20.1772,
78.3565

■ 23.4037, 23.1990,
78.8462

■ 25.7503, 26.7319,
79.4044

■ 28.8111, 30.8620,
80.0403

■ 32.6687, 35.6379,
80.7588

■ 37.3931, 41.1014,
81.5644

■ 43.0459, 47.2900,
82.4610

■ 49.6824, 54.2376,
83.4522

■ 57.3536, 61.9757,
84.5415

■ 66.1065, 70.5336,
85.7320

Harmonies

Analogous

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



15.4223, 20.1848, 75.3689



21.6315, 20.1848, 78.3573



28.4897, 20.1848, 61.0806

Triad

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



21.6315, 20.1848, 78.3573



30.1309, 20.1848, 5.9743



9.7053, 20.1848, 12.3200

Complementary

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



21.6315, 20.1848, 78.3573



38.2203, 27.5185, 3.2991

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.



12.1652, 20.1848, 4.6071



21.6315, 20.1848, 78.3573



23.5148, 20.1848, 2.6174

Square

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



21.6315, 20.1848, 78.3573



34.0778, 20.1848, 15.9129



16.9304, 20.1848, 2.3158



9.4206, 20.1848, 29.4158

Rectangle

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



21.6315, 20.1848, 78.3573



32.1612, 20.1848, 44.0702



16.9304, 20.1848, 2.3158



10.2742, 20.1848, 8.8694

Sweetspot

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



21.6324, 20.1854, 78.3579



62.0015, 67.6972, 104.4068



31.0750, 58.1519, 22.6798



12.4865, 13.6775, 22.2319



0.0000, 0.0000, 0.0000



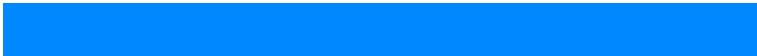
20.3446, 21.4041, 23.3091

Same Dimension

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



21.6324, 20.1854, 78.3579



26.9742, 25.0684, 98.0247



14.5516, 6.0237, 75.9976



14.2202, 15.1618, 18.3214



12.2503, 11.5627, 43.9693



0.9980, 1.0399, 3.2801

Inverse Universe

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



36.5941, 18.4457, 20.7005



45.7445, 23.0618, 25.6505



58.4057, 67.8894, 10.0276



14.6987, 14.4967, 16.6140



20.5769, 10.3650, 11.9329



1.5674, 0.7847, 1.1283

Previews

White Background



This preview shows how the XYZ color 21.6315, 20.1848, 78.3573 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 21.6315, 20.1848, 78.3573 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

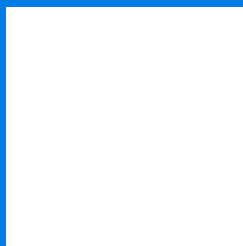
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6315, 20.1848, 78.3573

Background



This preview shows how black text looks on a background with the XYZ color 21.6315, 20.1848, 78.3573.



This preview shows how white text looks on a background with the XYZ color 21.6315, 20.1848,

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

21.6315, 20.1848, 78.3573

Protanopia

23.0358, 20.2442, 75.3664

Deuteranopia

20.5120, 20.1422, 71.2133



Tritanopia

14.1340, 19.9666, 30.3031

Trichromacy



Original Color

21.6315, 20.1848, 78.3573

Protanomaly

21.8797, 19.8117, 76.0696

Deuteranomaly

20.9242, 20.1035, 74.0117

Tritanomaly

16.1871, 19.6769, 44.5398

Monochromacy



Original Color

21.6315, 20.1848, 78.3573

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 21.6315, 20.1848, 78.3573 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 124, 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, 124, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 231) }
```

Border

The CSS property to change the border of an element to XYZ 21.6315, 20.1848, 78.3573 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, 231) }
```


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

```
.border{ border-color:rgb(0, 124, 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, 124, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 124,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6315, 20.1848, 78.3573 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, 231) }
```

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

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