

Converting Colors

XYZ(9.3643, 14.5417, 73.1588)

Have a look what the booklet for
XYZ(9.3643, 14.5417, 73.1588)
contains.

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Color

**XYZ(21.0439, 20.5606,
73.3805)**

Conversions

Conversions Part 1

Format	Color
Hex	007FE0
RGB	0, 127, 224
RGB Percent	0%, 50%, 88%
CMY	0.9998, 0.5020, 0.1216
CMYK	1.00, 0.43, 0.00, 0.12
HSL	206°, 100%, 44%
HSV	206°, 100%, 88%
XYZ	21.0439, 20.5606, 73.3805
YIQ	100.0850, -106.8290, 3.2430

Conversions

Conversions Part 2

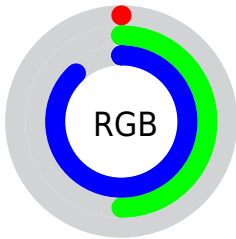
Format	Color
R_{YB}	0, 81, 224
Decimal	32736
CIE _{Lab}	52.47, 7.37, -57.31
CIE _{LCh}	52, 57.778, 277.332
Yxy	20.5606, 0.1830, 0.1788
Android (android.graphics.Color)	4278222816 (0xFF007FE0)
YUV	100.0850, 61.0901, -87.7745
Hunter-Lab	45.3438, 3.4896, -64.2092

Details

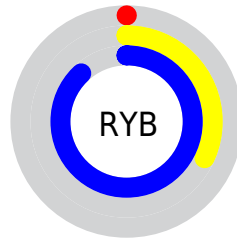
The XYZ color **21.0439, 20.5606, 73.3805** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **35.0205, 24.4066, 2.8667**, and the grayscale version is **12.0078, 12.6331, 13.7575**.

A 20% lighter version of the original color is **39.8790, 42.4033, 100.6905**, and **9.8639, 8.4191, 38.1510** is the 20% darker color. If you saturate the color by 10%, you get **21.0412, 20.5550, 73.3800**, and if you desaturate by 10%, it is **22.6991, 23.3647, 73.8350**.

Distribution



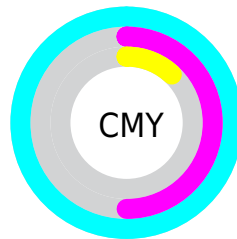
- Red (0%)
- Green (50%)
- Blue (88%)



- Red (0%)
- Yellow (32%)
- Blue (88%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (50%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0439, 20.5606, 73.3805 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 21.0439, 20.5606, 73.3805 by changing the saturation by 10% instead.

■ 21.0439, 20.5606,
73.3805

■ 21.0439, 20.5606,
73.3805

250.2390,
254.9340, 491.4386

■ 13.2687, 12.8032,
53.7934

■ 44.6513, 44.3551,
125.7431

■ 7.6921, 7.2932,
38.0445

■ 61.2143, 61.1610,
159.3558

■ 3.9487, 3.6461,
25.7151

■ 81.4372, 81.7518,
198.4808

■ 1.6732, 1.4776,
16.3868

■ 105.6855,
106.5120, 243.5365

■ 0.4394, 0.2729,
9.6410

■ 134.3244,
135.8259, 294.9417

■ 0.0000, 0.0000,
5.0591

167.7194,

■ 0.0000, 0.0000,

170.0779, 353.1147

2.2226

206.2358,
209.6525, 418.4741

■ 0.0000, 0.0000,
0.6874

■ 0.0000, 0.0000,
0.0000

■ 21.0439, 20.5606,
73.3805

■ 21.0439, 20.5606,
73.3805

■ 21.0412, 20.5550,
73.3800

■ 22.6991, 23.3647,
73.8350

■ 24.8719, 26.6194,
74.3487

■ 27.6933, 30.3972,
74.9292

■ 31.2391, 34.7415,
75.5808

■ 35.5733, 39.6898,
76.3075

■ 40.7524, 45.2752,
77.1126

■ 46.8270, 51.5281,
77.9994

■ 53.8439, 58.4763,
78.9707

■ 61.8459, 66.1459,
80.0293

Harmonies

Analogous

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



15.4439, 20.5606, 68.4833



21.0439, 20.5606, 73.3805



27.3621, 20.5606, 60.0181

Triad

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



21.0439, 20.5606, 73.3805



30.1636, 20.5606, 7.7837



10.7489, 20.5606, 11.9575

Complementary

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



21.0439, 20.5606, 73.3805



35.0205, 24.4066, 2.8667

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.



13.3752, 20.5606, 5.1016



21.0439, 20.5606, 73.3805



24.3081, 20.5606, 3.6911

Square

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



21.0439, 20.5606, 73.3805



33.2804, 20.5606, 18.4486



18.1138, 20.5606, 3.0496



10.2254, 20.5606, 26.8495

Rectangle

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



21.0439, 20.5606, 73.3805



30.8847, 20.5606, 45.2318



18.1138, 20.5606, 3.0496



11.3848, 20.5606, 8.9181

Sweetspot

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



21.0448, 20.5612, 73.3811



62.6105, 68.9152, 104.6098



28.6485, 54.1088, 19.3748



12.6309, 13.9663, 22.2800



0.0000, 0.0000, 0.0000



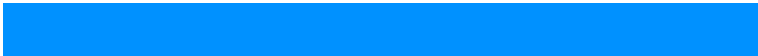
20.3446, 21.4041, 23.3091

Same Dimension

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



21.0448, 20.5612, 73.3811



28.1069, 27.3338, 98.4023



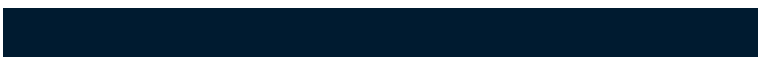
13.6834, 5.8383, 70.9272



13.5936, 14.5263, 17.4751



12.3638, 12.1972, 42.7510



0.9455, 1.0225, 2.9928

Inverse Universe

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



34.5721, 17.3809, 21.6117



46.3162, 23.2905, 28.6612



52.6533, 59.6722, 8.7443



14.0311, 13.8301, 15.9339



20.1809, 10.1394, 12.8842



1.4435, 0.7207, 1.1283

Previews

White Background



This preview shows how the XYZ color 21.0439, 20.5606, 73.3805 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 21.0439, 20.5606, 73.3805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

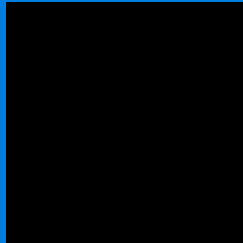
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.0439, 20.5606, 73.3805

Background



This preview shows how black text looks on a background with the XYZ color 21.0439, 20.5606, 73.3805.



This preview shows how white text looks on a background with the XYZ color 21.0439, 20.5606,

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

21.0439, 20.5606, 73.3805

Protanopia

22.8005, 20.4422, 69.0737

Deuteranopia

21.3125, 20.6990, 73.3930



Tritanopia

14.5779, 20.6034, 31.2255

Trichromacy



Original Color

21.0439, 20.5606, 73.3805

Protanomaly

21.3665, 20.0370, 70.4515

Deuteranomaly

21.1955, 20.6387, 73.3876

Tritanomaly

16.5004, 20.4625, 44.1543

Monochromacy



Original Color

21.0439, 20.5606, 73.3805

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.8011, 14.2862, 28.8709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0439, 20.5606, 73.3805 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, 127, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 224)  
}
```

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, 127, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 224) }
```

Border

The CSS property to change the border of an element to XYZ 21.0439, 20.5606, 73.3805 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, 127, 224) }
```


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

```
.border{ border-color:rgb(0, 127, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 127, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0439, 20.5606, 73.3805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 224) }
```

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

```
.background{ background-color: rgb(0, 127,  
224) }
```

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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