

Converting Colors

XYZ(3.5250, 12.1666, 75.3751)

Have a look what the booklet for
XYZ(3.5250, 12.1666, 75.3751)
contains.

XYZ(22.1199, 21.8340, 76.4473)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.1199, 21.8340,
76.4473)**

Conversions

Conversions Part 1

Format	Color
Hex	0083E4
RGB	0, 131, 228
RGB Percent	0%, 51%, 89%
CMY	0.9998, 0.4863, 0.1059
CMYK	1.00, 0.43, 0.00, 0.11
HSL	206°, 100%, 45%
HSV	206°, 100%, 89%
XYZ	22.1199, 21.8340, 76.4473
YIQ	102.8890, -109.2130, 2.3950

Conversions

Conversions Part 2

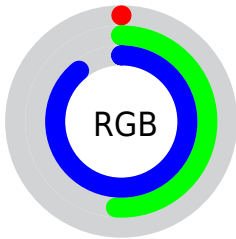
Format	Color
R _{YB}	0, 83, 228
Decimal	33764
CIE Lab	53.85, 6.47, -57.33
CIE LCh	54, 57.691, 276.442
Yxy	21.8340, 0.1837, 0.1813
Android (android.graphics.Color)	4278223844 (0xFF0083E4)
YUV	102.8890, 61.6797, -90.2337
Hunter-Lab	46.7269, 2.7276, -64.2924

Details

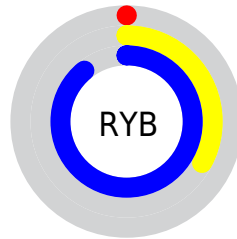
The XYZ color **22.1199, 21.8340, 76.4473** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **36.2760, 25.0552, 2.9260**, and the grayscale version is **12.7310, 13.3941, 14.5861**.

A 20% lighter version of the original color is **40.8092, 44.0902, 100.9671**, and **10.5397, 9.1651, 40.2433** is the 20% darker color. If you saturate the color by 10%, you get **22.1165, 21.8271, 76.4467**, and if you desaturate by 10%, it is **23.8351, 24.7444, 76.9192**.

Distribution



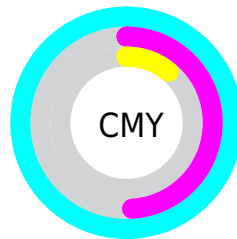
- Red (0%)
- Green (51%)
- Blue (89%)



- Red (0%)
- Yellow (33%)
- Blue (89%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (49%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1199, 21.8340, 76.4473 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 22.1199, 21.8340, 76.4473 by changing the saturation by 10% instead.

■ 22.1199, 21.8340,
76.4473

■ 22.1199, 21.8340,
76.4473

255.7924,
261.6782, 502.2650

■ 14.0621, 13.7350,
56.2905

■ 46.4215, 46.4715,
130.1249

■ 8.2459, 7.9366,
40.0303

■ 63.3960, 63.7787,
164.4827

■ 4.3058, 4.0544,
27.2482

■ 84.0734, 84.9242,
204.4114

■ 1.8766, 1.7040,
17.5257

■ 108.8192,
110.2922, 250.3293

■ 0.5632, 0.4263,
10.4441

■ 137.9986,
140.2672, 302.6551

■ 0.0000, 0.0000,
5.5849

171.9770,

■ 0.0000, 0.0000,

175.2336, 361.8073

2.5297

211.1198,
215.5758, 428.2044

■ 0.0000, 0.0000,
0.8558

■ 0.0000, 0.0000,
0.0000

■ 22.1199, 21.8340,
76.4473

■ 22.1199, 21.8340,
76.4473

■ 22.1165, 21.8271,
76.4467

■ 23.8351, 24.7444,
76.9192

■ 26.0865, 28.1170,
77.4515

■ 29.0096, 32.0264,
78.0520

■ 32.6834, 36.5177,
78.7253

■ 37.1746, 41.6297,
79.4753

■ 42.5420, 47.3967,
80.3056

■ 48.8385, 53.8501,
81.2193

■ 56.1125, 61.0187,
82.2196

■ 64.4089, 68.9294,
83.3093

Harmonies

Analogous

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



16.3404, 21.8340, 70.8556



22.1199, 21.8340, 76.4473



28.6758, 21.8340, 63.2102

Triad

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



22.1199, 21.8340, 76.4473



31.9047, 21.8340, 8.7063



11.6256, 21.8340, 12.5659

Complementary

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



22.1199, 21.8340, 76.4473



36.2760, 25.0552, 2.9260

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.



14.4424, 21.8340, 5.5200



22.1199, 21.8340, 76.4473



25.8951, 21.8340, 4.1950

Square

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



22.1199, 21.8340, 76.4473



35.0070, 21.8340, 20.1429



19.4428, 21.8340, 3.4203



11.0123, 21.8340, 27.8162

Rectangle

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



22.1199, 21.8340, 76.4473



32.3655, 21.8340, 48.1021



19.4428, 21.8340, 3.4203



12.3144, 21.8340, 9.4472

Sweetspot

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



22.1208, 21.8346, 76.4479



62.7647, 69.2235, 104.6612



29.8116, 56.3145, 20.1338



12.6675, 14.0395, 22.2922



0.0000, 0.0000, 0.0000



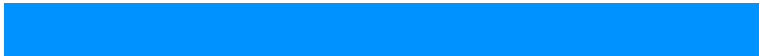
20.3446, 21.4041, 23.3091

Same Dimension

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



22.1208, 21.8346, 76.4479



28.4036, 27.9272, 98.5012



14.2383, 6.0696, 73.8204



14.2668, 15.2550, 18.3369



12.8907, 12.8434, 44.1828



1.0442, 1.1324, 3.2955

Inverse Universe

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



36.0926, 18.1342, 23.0709



46.4660, 23.3504, 29.4498



54.7974, 62.0980, 9.0998



14.7223, 14.5061, 16.7379



20.9001, 10.4943, 13.6349



1.5907, 0.7940, 1.2511

Previews

White Background



This preview shows how the XYZ color 22.1199, 21.8340, 76.4473 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 22.1199, 21.8340, 76.4473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

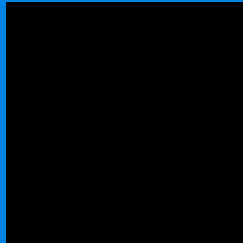
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.1199, 21.8340, 76.4473

Background



This preview shows how black text looks on a background with the XYZ color 22.1199, 21.8340, 76.4473.



This preview shows how white text looks on a background with the XYZ color 22.1199, 21.8340,

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

22.1199, 21.8340, 76.4473

Protanopia

24.2647, 21.8725, 72.0502

Deuteranopia

22.5819, 21.8738, 76.4307



Tritanopia

15.3405, 21.6130, 33.0690

Trichromacy



Original Color

22.1199, 21.8340, 76.4473

Protanomaly

22.5652, 21.3448, 73.4517

Deuteranomaly

22.2747, 21.7154, 76.4163

Tritanomaly

17.3267, 21.4722, 46.4114

Monochromacy



Original Color

22.1199, 21.8340, 76.4473

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.4972, 15.1066, 30.2215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1199, 21.8340, 76.4473 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, 131, 228)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 228)  
}
```

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, 131, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 228) }
```

Border

The CSS property to change the border of an element to XYZ 22.1199, 21.8340, 76.4473 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, 131, 228) }
```


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

```
.border{ border-color:rgb(0, 131, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 131, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 228);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1199, 21.8340, 76.4473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 228) }
```

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

```
.background{ background-color: rgb(0, 131,  
228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor