

Converting Colors

XYZ(22.6678, 22.0195, 79.4366)

Have a look what the booklet for
XYZ(22.6678, 22.0195, 79.4366)
contains.

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Color

**XYZ(22.6818, 22.0588,
79.4062)**

Conversions

Conversions Part 1

Format	Color
Hex	0083E8
RGB	0, 131, 232
RGB Percent	0%, 51%, 91%
CMY	0.9998, 0.4863, 0.0902
CMYK	1.00, 0.44, 0.00, 0.09
HSL	206°, 100%, 46%
HSV	206°, 100%, 91%
XYZ	22.6818, 22.0588, 79.4062
YIQ	103.3450, -110.4970, 3.6390

Conversions

Conversions Part 2

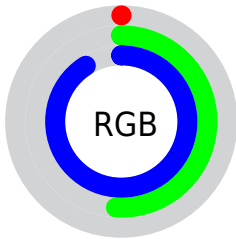
Format	Color
R _{YB}	0, 84, 232
Decimal	33768
CIE _{Lab}	54.09, 8.03, -59.18
CIE _{LCh}	54, 59.721, 277.722
Y _{xy}	22.0588, 0.1827, 0.1777
Android (android.graphics.Color)	4278223848 (0xFF0083E8)
Y _{UV}	103.3450, 63.4269, -90.6336
Hunter-Lab	46.9668, 4.0116, -67.3641

Details

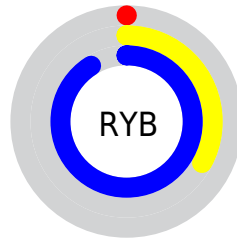
The XYZ color **22.6818, 22.0588, 79.4062** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **37.9391, 26.4757, 3.1125**, and the grayscale version is **12.8469, 13.5160, 14.7189**.

A 20% lighter version of the original color is **40.9273, 44.1511, 100.9727**, and **10.9297, 9.3211, 42.2974** is the 20% darker color. If you saturate the color by 10%, you get **22.6783, 22.0516, 79.4055**, and if you desaturate by 10%, it is **24.4651, 25.0918, 79.8982**.

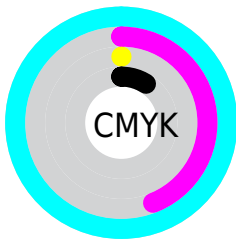
Distribution



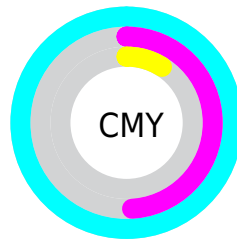
- Red (0%)
- Green (51%)
- Blue (91%)



- Red (0%)
- Yellow (33%)
- Blue (91%)



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (49%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6818, 22.0588, 79.4062 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 22.6818, 22.0588, 79.4062 by changing the saturation by 10% instead.

■ 22.6818, 22.0588,
79.4062

■ 22.6818, 22.0588,
79.4062

258.6524,
262.8532, 512.5833

■ 14.4781, 13.9001,
58.7066

■ 47.3408, 46.8432,
134.3344

■ 8.5379, 8.0512,
41.9585

■ 64.5269, 64.2376,
169.4000

■ 4.4957, 4.1277,
28.7435

■ 85.4378, 85.4795,
210.0914

■ 1.9862, 1.7453,
18.6429

■ 110.4389,
110.9531, 256.8271

■ 0.6262, 0.4527,
11.2384

■ 139.8956,
141.0429, 310.0255

■ 0.0000, 0.0000,
6.1112

174.1731,

■ 0.0000, 0.0000,

176.1332, 370.1054

2.8429

213.6369,
216.6085, 437.4851

■ 0.0000, 0.0000,
1.0150

■ 0.0000, 0.0000,
0.0000

■ 22.6818, 22.0588,
79.4062

■ 22.6818, 22.0588,
79.4062

■ 22.6783, 22.0516,
79.4055

■ 24.4651, 25.0918,
79.8982

■ 26.8131, 28.6176,
80.4550

■ 29.8661, 32.7137,
81.0847

■ 33.7068, 37.4279,
81.7922

■ 38.4052, 42.8010,
82.5817

■ 44.0228, 48.8693,
83.4569

■ 50.6151, 55.6660,
84.4213

■ 58.2329, 63.2217,
85.4782

■ 66.9231, 71.5647,
86.6306

Harmonies

Analogous

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



16.5971, 22.0588, 74.3362



22.6818, 22.0588, 79.4062



29.5309, 22.0588, 64.6299

Triad

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



22.6818, 22.0588, 79.4062



32.4191, 22.0588, 8.1549



11.4368, 22.0588, 12.8901

Complementary

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



22.6818, 22.0588, 79.4062



37.9391, 26.4757, 3.1125

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.



14.2418, 22.0588, 5.4275



22.6818, 22.0588, 79.4062



26.0419, 22.0588, 3.8388

Square

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



22.6818, 22.0588, 79.4062



35.8584, 22.0588, 19.5440



19.3394, 22.0588, 3.1913



10.9011, 22.0588, 29.1281

Rectangle

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



22.6818, 22.0588, 79.4062



33.3335, 22.0588, 48.4946



19.3394, 22.0588, 3.1913



12.1129, 22.0588, 9.5792

Sweetspot

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



22.6828, 22.0594, 79.4068



62.5633, 68.8207, 104.5940



31.1855, 58.6452, 21.8776



12.6197, 13.9439, 22.2763



0.0000, 0.0000, 0.0000



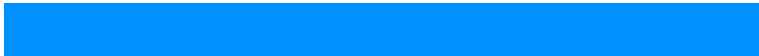
20.3446, 21.4041, 23.3091

Same Dimension

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



22.6828, 22.0594, 79.4068



28.0168, 27.1535, 98.3723



14.7447, 6.1833, 76.7608



14.2546, 15.2306, 18.3328



12.7176, 12.4972, 44.1251



1.0318, 1.1076, 3.2914

Inverse Universe

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



37.3764, 18.7960, 23.1310



46.2708, 23.2723, 28.4217



57.9732, 66.5440, 9.7906



14.7161, 14.5036, 16.7053



20.8127, 10.4593, 13.1748



1.5844, 0.7915, 1.2182

Previews

White Background



This preview shows how the XYZ color 22.6818, 22.0588, 79.4062 looks on a white background.

Color Contrast Check

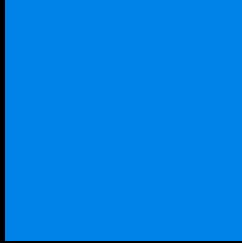
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6818, 22.0588, 79.4062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

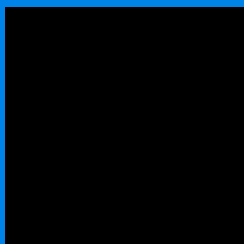
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

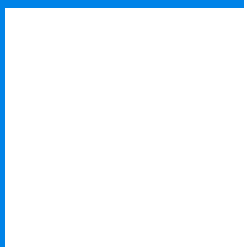
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.6818, 22.0588, 79.4062

Background



This preview shows how black text looks on a background with the XYZ color 22.6818, 22.0588, 79.4062.



This preview shows how white text looks on a background with the XYZ color 22.6818, 22.0588,

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

22.6818, 22.0588, 79.4062

Protanopia

24.5408, 21.9521, 74.8952

Deuteranopia

22.8334, 22.1370, 79.4133



Tritanopia

15.5722, 21.9448, 33.5520

Trichromacy



Original Color

22.6818, 22.0588, 79.4062

Protanomaly

23.0091, 21.5102, 76.3380

Deuteranomaly

22.7819, 22.1104, 79.4109

Tritanomaly

17.6761, 21.8426, 47.5404

Monochromacy



Original Color

22.6818, 22.0588, 79.4062

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.6569, 15.1705, 31.0626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6818, 22.0588, 79.4062 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 232) }
```

Border

The CSS property to change the border of an element to XYZ 22.6818, 22.0588, 79.4062 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, 232) }
```


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

```
.border{ border-color:rgb(0, 131, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6818, 22.0588, 79.4062 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, 232) }
```

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

```
.background{ background-color: rgb(0, 131,  
232) }
```

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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