

Converting Colors

XYZ(22.3842, 20.8681, 81.1428)

Have a look what the booklet for
XYZ(22.3842, 20.8681, 81.1428)
contains.

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Color

**XYZ(22.4563, 20.9199,
81.4516)**

Conversions

Conversions Part 1

Format	Color
Hex	007EEB
RGB	0, 126, 235
RGB Percent	0%, 49%, 92%
CMY	0.9997, 0.5059, 0.0784
CMYK	1.00, 0.46, 0.00, 0.08
HSL	208°, 100%, 46%
HSV	208°, 100%, 92%
XYZ	22.4563, 20.9199, 81.4516
YIQ	100.7520, -110.0850, 7.1870

Conversions

Conversions Part 2

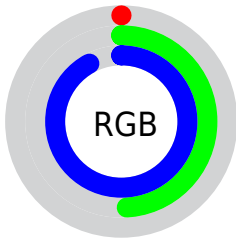
Format	Color
R _Y B	0, 82, 235
Decimal	32491
CIE Lab	52.86, 12.29, -62.83
CIE LCh	53, 64.018, 281.064
Yxy	20.9199, 0.1799, 0.1676
Android (android.graphics.Color)	4278222571 (0xFF007EEB)
YUV	100.7520, 66.1843, -88.3595
Hunter-Lab	45.7383, 7.5969, -73.5680

Details

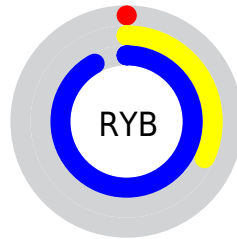
The XYZ color **22.4563, 20.9199, 81.4516** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **39.7374, 28.6141, 3.4306**, and the grayscale version is **12.1667, 12.8003, 13.9396**.

A 20% lighter version of the original color is **40.0338, 42.1866, 100.6406**, and **10.7603, 8.6631, 43.2245** is the 20% darker color. If you saturate the color by 10%, you get **22.4524, 20.9120, 81.4508**, and if you desaturate by 10%, it is **24.2940, 24.0511, 81.9596**.

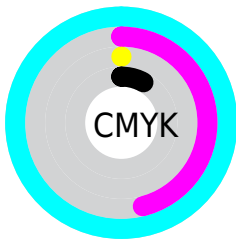
Distribution



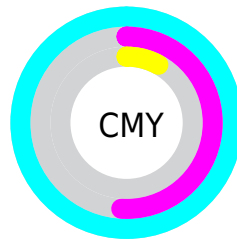
- Red (0%)
- Green (49%)
- Blue (92%)



- Red (0%)
- Yellow (32%)
- Blue (92%)



- Cyan (100%)
- Magenta (46%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (51%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4563, 20.9199, 81.4516 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 22.4563, 20.9199, 81.4516 by changing the saturation by 10% instead.

■ 22.4563, 20.9199,
81.4516

■ 22.4563, 20.9199,
81.4516

257.5078,
256.8525, 519.6467

■ 14.3110, 13.0655,
60.3804

■ 46.9723, 44.9542,
137.2345

■ 8.4205, 7.4736,
43.2980

■ 64.0737, 61.9028,
172.7832

■ 4.4192, 3.7600,
29.7859

■ 84.8912, 82.6517,
213.9950

■ 1.9419, 1.5403,
19.4255

■ 109.7902,
107.5851, 261.2882

■ 0.6010, 0.3168,
11.7982

■ 139.1360,
137.0875, 315.0814

■ 0.0000, 0.0000,
6.4855

173.2940,

■ 0.0000, 0.0000,

171.5433, 375.7932

3.0690

212.6295,
211.3368, 443.8421

■ 0.0000, 0.0000,
1.1300

■ 0.0000, 0.0000,
0.0000

■ 22.4563, 20.9199,
81.4516

■ 22.4563, 20.9199,
81.4516

■ 22.4524, 20.9120,
81.4508

■ 24.2940, 24.0511,
81.9596

■ 26.7305, 27.7234,
82.5400

■ 29.9107, 32.0181,
83.2014

■ 33.9208, 36.9861,
83.9489

■ 38.8338, 42.6709,
84.7873

■ 44.7139, 49.1117,
85.7206

■ 51.6191, 56.3438,
86.7526

■ 59.6023, 64.4003,
87.8869

■ 68.7128, 73.3117,
89.1268

Harmonies

Analogous

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



15.9940, 20.9199, 78.4282



22.4563, 20.9199, 81.4516



29.5892, 20.9199, 63.3848

Triad

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



22.4563, 20.9199, 81.4516



31.2472, 20.9199, 6.1349



10.0282, 20.9199, 12.7912

Complementary

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



22.4563, 20.9199, 81.4516



39.7374, 28.6141, 3.4306

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.



12.5731, 20.9199, 4.7607



22.4563, 20.9199, 81.4516



24.3579, 20.9199, 2.6794

Square

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



22.4563, 20.9199, 81.4516



35.3716, 20.9199, 16.4137



17.5156, 20.9199, 2.3772



9.7413, 20.9199, 30.6060

Rectangle

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



22.4563, 20.9199, 81.4516



33.4023, 20.9199, 45.6613



17.5156, 20.9199, 2.3772



10.6158, 20.9199, 9.1971

Sweetspot

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



22.4573, 20.9205, 81.4522



61.9890, 67.6722, 104.4026



32.2998, 60.4537, 23.5441



12.4835, 13.6715, 22.2309



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.



22.4573, 20.9205, 81.4522



26.9516, 25.0232, 98.0172



15.1256, 6.2571, 79.0083



14.8999, 15.8863, 19.2033



12.6249, 11.8968, 45.3739



1.0875, 1.1265, 3.5950

Inverse Universe

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



38.0278, 19.1701, 21.4348



45.7331, 23.0572, 25.5904



60.7171, 70.5736, 10.4239



15.4030, 15.1891, 17.4077



21.2278, 10.6938, 12.2667



1.7154, 0.8591, 1.2188

Previews

White Background



This preview shows how the XYZ color 22.4563, 20.9199, 81.4516 looks on a white background.

Color Contrast Check

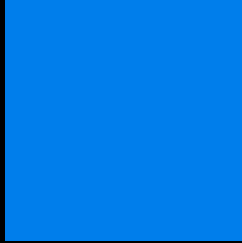
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4563, 20.9199, 81.4516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

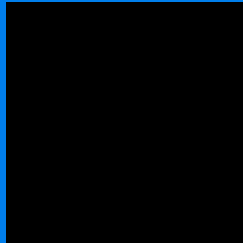
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

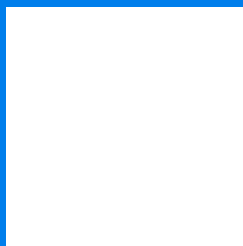
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.4563, 20.9199, 81.4516

Background



This preview shows how black text looks on a background with the XYZ color 22.4563, 20.9199, 81.4516.



This preview shows how white text looks on a background with the XYZ color 22.4563, 20.9199,

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

22.4563, 20.9199, 81.4516

Protanopia

23.9091, 20.9907, 78.3928

Deuteranopia

21.3098, 20.8746, 74.1402



Tritanopia

14.8029, 20.9261, 31.6927

Trichromacy



Original Color

22.4563, 20.9199, 81.4516

Protanomaly

22.7306, 20.5500, 79.1124

Deuteranomaly

21.7322, 20.8359, 77.0051

Tritanomaly

16.9022, 20.6232, 46.2699

Monochromacy



Original Color

22.4563, 20.9199, 81.4516

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.1953, 14.4439, 30.9466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4563, 20.9199, 81.4516 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, 126, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 235)  
}
```

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, 126, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 235) }
```

Border

The CSS property to change the border of an element to XYZ 22.4563, 20.9199, 81.4516 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, 126, 235) }
```


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

```
.border{ border-color:rgb(0, 126, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 126, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4563, 20.9199, 81.4516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 235) }
```

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

```
.background{ background-color: rgb(0, 126,  
235) }
```

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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