

Converting Colors

XYZ(22.8947, 21.8891, 81.3130)

Have a look what the booklet for
XYZ(22.8947, 21.8891, 81.3130)
contains.

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Color

**XYZ(22.9780, 21.9634,
81.6256)**

Conversions

Conversions Part 1

Format	Color
Hex	0082EB
RGB	0, 130, 235
RGB Percent	0%, 51%, 92%
CMY	0.9998, 0.4902, 0.0784
CMYK	1.00, 0.45, 0.00, 0.08
HSL	207°, 100%, 46%
HSV	207°, 100%, 92%
XYZ	22.9780, 21.9634, 81.6256
YIQ	103.1000, -111.1850, 5.0950

Conversions

Conversions Part 2

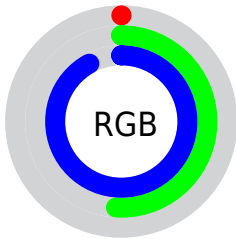
Format	Color
R _Y B	0, 84, 235
Decimal	33515
CIE Lab	53.99, 9.81, -61.02
CIE LCh	54, 61.798, 279.129
Yxy	21.9634, 0.1815, 0.1735
Android (android.graphics.Color)	4278223595 (0xFF0082EB)
YUV	103.1000, 65.0267, -90.4187
Hunter-Lab	46.8651, 5.5047, -70.4606

Details

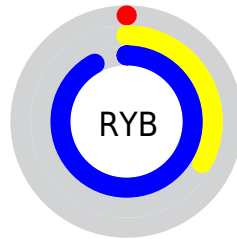
The XYZ color **22.9780, 21.9634, 81.6256** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **39.3193, 27.7780, 3.2911**, and the grayscale version is **12.7782, 13.4437, 14.6401**.

A 20% lighter version of the original color is **40.8414, 43.8017, 100.9097**, and **11.0532, 9.2489, 43.3221** is the 20% darker color. If you saturate the color by 10%, you get **22.9746, 21.9564, 81.6250**, and if you desaturate by 10%, it is **24.8136, 25.0907, 82.1330**.

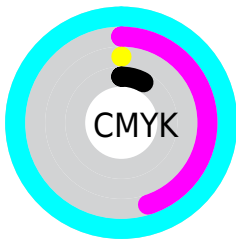
Distribution



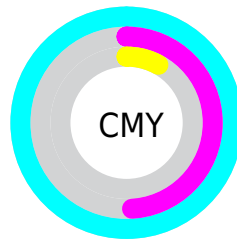
- Red (0%)
- Green (51%)
- Blue (92%)



- Red (0%)
- Yellow (33%)
- Blue (92%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (49%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9780, 21.9634, 81.6256 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 22.9780, 21.9634, 81.6256 by changing the saturation by 10% instead.

■ 22.9780, 21.9634,
81.6256

■ 22.9780, 21.9634,
81.6256

260.1494,
262.3551, 520.2450

■ 14.6979, 13.8300,
60.5230

■ 47.8241, 46.6855,
137.4808

■ 8.6926, 8.0025,
43.4122

■ 65.1208, 64.0430,
173.0705

■ 4.5967, 4.0966,
29.8749

■ 86.1538, 85.2440,
214.3262

■ 2.0449, 1.7277,
19.4924

■ 111.2883,
110.6729, 261.6665

■ 0.6590, 0.4415,
11.8462

■ 140.8898,
140.7140, 315.5101

■ 0.0000, 0.0000,
6.5178

175.3235,

■ 0.0000, 0.0000,

175.7518, 376.2753

3.0886

214.9550,
216.1707, 444.3808

■ 0.0000, 0.0000,
1.1400

■ 0.0000, 0.0000,
0.0000

■ 22.9780, 21.9634,
81.6256

■ 22.9780, 21.9634,
81.6256

■ 22.9746, 21.9564,
81.6250

■ 24.8136, 25.0907,
82.1330

■ 27.2382, 28.7392,
82.7094

■ 30.3959, 32.9892,
83.3634

■ 34.3726, 37.8906,
84.0998

■ 39.2407, 43.4860,
84.9233

■ 45.0641, 49.8137,
85.8377

■ 51.9003, 56.9083,
86.8468

■ 59.8019, 64.8019,
87.9540

■ 68.8176, 73.5242,
89.1624

Harmonies

Analogous

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



16.6305, 21.9634, 77.2947



22.9780, 21.9634, 81.6256



30.0635, 21.9634, 65.2382

Triad

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



22.9780, 21.9634, 81.6256



32.4927, 21.9634, 7.4140



11.0362, 21.9634, 13.0678

Complementary

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



22.9780, 21.9634, 81.6256



39.3193, 27.7780, 3.2911

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.



13.7809, 21.9634, 5.2363



22.9780, 21.9634, 81.6256



25.7877, 21.9634, 3.3912

Square

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



22.9780, 21.9634, 81.6256



36.2769, 21.9634, 18.5456



18.9054, 21.9634, 2.8892



10.5981, 21.9634, 30.2307

Rectangle

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



22.9780, 21.9634, 81.6256



33.9369, 21.9634, 48.1545



18.9054, 21.9634, 2.8892



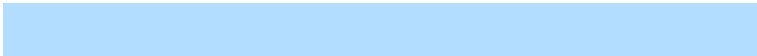
11.6866, 21.9634, 9.5821

Sweetspot

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



22.9790, 21.9640, 81.6262



62.3315, 68.3571, 104.5168



32.1010, 60.3742, 22.4976



12.5647, 13.8339, 22.2579



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.



22.9790, 21.9640, 81.6262



27.5800, 26.2800, 98.2267



15.1775, 6.3610, 79.0257



14.9220, 15.9304, 19.2106



12.9157, 12.4784, 45.4708



1.1100, 1.1714, 3.6025

Inverse Universe

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



38.2912, 19.2753, 22.8217



46.0503, 23.1841, 27.2607



59.6814, 68.5021, 10.0784



15.4142, 15.1935, 17.4663



21.3746, 10.7525, 13.0396



1.7268, 0.8637, 1.2785

Previews

White Background



This preview shows how the XYZ color 22.9780, 21.9634, 81.6256 looks on a white background.

Color Contrast Check

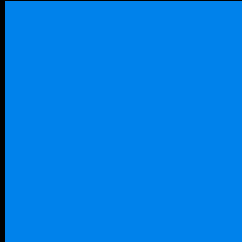
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9780, 21.9634, 81.6256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

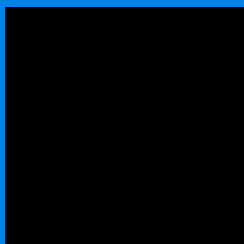
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

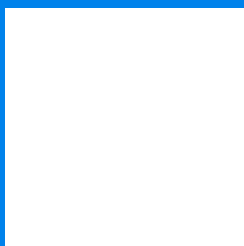
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.9780, 21.9634, 81.6256

Background



This preview shows how black text looks on a background with the XYZ color 22.9780, 21.9634, 81.6256.



This preview shows how white text looks on a background with the XYZ color 22.9780, 21.9634,

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

22.9780, 21.9634, 81.6256

Protanopia

24.7584, 22.0001, 77.8044

Deuteranopia

22.5401, 22.0021, 78.6601



Tritanopia

15.4900, 21.9119, 33.1188

Trichromacy



Original Color

22.9780, 21.9634, 81.6256

Protanomaly

23.4703, 21.6830, 79.2922

Deuteranomaly

22.6818, 22.0588, 79.4062

Tritanomaly

17.5320, 21.5544, 47.4923

Monochromacy



Original Color

22.9780, 21.9634, 81.6256

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.7378, 15.2029, 31.4885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9780, 21.9634, 81.6256 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, 130, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 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, 130, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 235) }
```

Border

The CSS property to change the border of an element to XYZ 22.9780, 21.9634, 81.6256 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, 130, 235) }
```


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

```
.border{ border-color:rgb(0, 130, 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, 130, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9780, 21.9634, 81.6256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 235) }
```

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

```
.background{ background-color: rgb(0, 130,  
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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