

Converting Colors

XYZ(22.5848, 21.1769, 81.4945)

Have a look what the booklet for
XYZ(22.5848, 21.1769, 81.4945)
contains.

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Color

**XYZ(22.5848, 21.1769,
81.4945)**

Conversions

Conversions Part 1

Format	Color
Hex	007FEB
RGB	0, 127, 235
RGB Percent	0%, 50%, 92%
CMY	0.9997, 0.5020, 0.0784
CMYK	1.00, 0.46, 0.00, 0.08
HSL	208°, 100%, 46%
HSV	208°, 100%, 92%
XYZ	22.5848, 21.1769, 81.4945
YIQ	101.3390, -110.3600, 6.6640

Conversions

Conversions Part 2

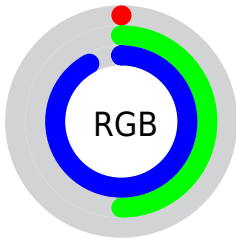
Format	Color
R_{YB}	0, 82, 235
Decimal	32747
CIE _{Lab}	53.14, 11.66, -62.38
CIE _{LCh}	53, 63.457, 280.591
Yxy	21.1769, 0.1803, 0.1691
Android (android.graphics.Color)	4278222827 (0xFF007FEB)
YUV	101.3390, 65.8949, -88.8743
Hunter-Lab	46.0184, 7.0717, -72.7845

Details

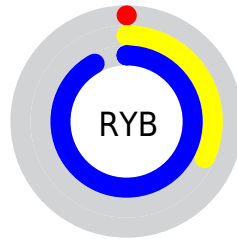
The XYZ color **22.5848, 21.1769, 81.4945** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **39.6311, 28.4016, 3.3952**, and the grayscale version is **12.3180, 12.9595, 14.1129**.

A 20% lighter version of the original color is **40.2335, 42.5860, 100.7071**, and **10.8319, 8.8063, 43.2484** is the 20% darker color. If you saturate the color by 10%, you get **22.5810, 21.1692, 81.4937**, and if you desaturate by 10%, it is **24.4223, 24.3077, 82.0025**.

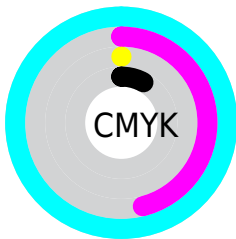
Distribution



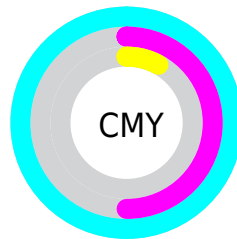
- Red (0%)
- Green (50%)
- Blue (92%)



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



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



- Cyan (100%)
- Magenta (50%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5848, 21.1769, 81.4945 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 22.5848, 21.1769, 81.4945 by changing the saturation by 10% instead.

■ 22.5848, 21.1769,
81.4945

■ 22.5848, 21.1769,
81.4945

258.1606,
258.2171, 519.7942

■ 14.4062, 13.2534,
60.4156

■ 47.1824, 45.3818,
137.2952

■ 8.4873, 7.6033,
43.3262

■ 64.3321, 62.4319,
172.8541

■ 4.4627, 3.8421,
29.8078

■ 85.2028, 83.2930,
214.0766

■ 1.9671, 1.5857,
19.4420

■ 110.1601,
108.3495, 261.3815

■ 0.6154, 0.3479,
11.8100

■ 139.5691,
137.9857, 315.1871

■ 0.0000, 0.0000,
6.4935

173.7953,

■ 0.0000, 0.0000,

172.5862, 375.9121

3.0738

213.2040,
212.5352, 443.9749

■ 0.0000, 0.0000,
1.1324

■ 0.0000, 0.0000,
0.0000

■ 22.5848, 21.1769,
81.4945

■ 22.5848, 21.1769,
81.4945

■ 22.5810, 21.1692,
81.4937

■ 24.4223, 24.3077,
82.0025

■ 26.8562, 27.9747,
82.5820

■ 30.0311, 32.2589,
83.2416

■ 34.0331, 37.2107,
83.9865

■ 38.9351, 42.8737,
84.8212

■ 44.8013, 49.2866,
85.7498

■ 51.6894, 56.4847,
86.7761

■ 59.6524, 64.5007,
87.9037

■ 68.7392, 73.3650,
89.1357

Harmonies

Analogous

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



16.1506, 21.1769, 78.1417



22.5848, 21.1769, 81.4945



29.7061, 21.1769, 63.8454

Triad

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



22.5848, 21.1769, 81.4945



31.5551, 21.1769, 6.4396



10.2738, 21.1769, 12.8586

Complementary

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



22.5848, 21.1769, 81.4945



39.6311, 28.4016, 3.3952

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.



12.8679, 21.1769, 4.8761



22.5848, 21.1769, 81.4945



24.7100, 21.1769, 2.8468

Square

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



22.5848, 21.1769, 81.4945



35.5958, 21.1769, 16.9308



17.8562, 21.1769, 2.4987



9.9504, 21.1769, 30.5095

Rectangle

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



22.5848, 21.1769, 81.4945



33.5343, 21.1769, 46.2771



17.8562, 21.1769, 2.4987



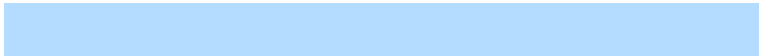
10.8767, 21.1769, 9.2913

Sweetspot

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



22.5858, 21.1775, 81.4951



62.0743, 67.8428, 104.4310



32.2998, 60.4537, 23.5440



12.5037, 13.7120, 22.2376



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.



22.5858, 21.1775, 81.4951



27.1063, 25.3326, 98.0688



15.1255, 6.2571, 79.0083



14.9054, 15.8973, 19.2051



12.6965, 12.0401, 45.3978



1.0931, 1.1376, 3.5968

Inverse Universe

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



38.0927, 19.1961, 21.7763



45.8112, 23.0885, 26.0016



60.7172, 70.5736, 10.4238



15.4058, 15.1902, 17.4223



21.2639, 10.7083, 12.4571



1.7182, 0.8603, 1.2335

Previews

White Background



This preview shows how the XYZ color 22.5848, 21.1769, 81.4945 looks on a white background.

Color Contrast Check

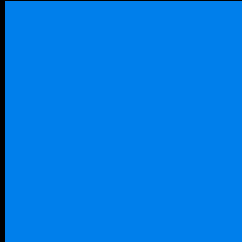
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5848, 21.1769, 81.4945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

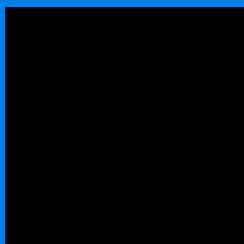
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

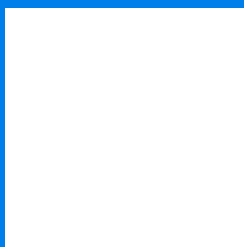
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.5848, 21.1769, 81.4945

Background



This preview shows how black text looks on a background with the XYZ color 22.5848, 21.1769, 81.4945.



This preview shows how white text looks on a background with the XYZ color 22.5848, 21.1769,

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

22.5848, 21.1769, 81.4945

Protanopia

24.0384, 21.2568, 77.6989

Deuteranopia

21.7154, 21.2466, 75.6295



Tritanopia

14.8831, 20.9582, 32.1151

Trichromacy



Original Color

22.5848, 21.1769, 81.4945

Protanomaly

22.8999, 20.8223, 79.1561

Deuteranomaly

22.0021, 21.1515, 77.7859

Tritanomaly

17.0045, 20.6641, 46.8084

Monochromacy



Original Color

22.5848, 21.1769, 81.4945

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 22.5848, 21.1769, 81.4945 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 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, 127, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 235) }
```

Border

The CSS property to change the border of an element to XYZ 22.5848, 21.1769, 81.4945 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, 235) }
```


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

```
.border{ border-color:rgb(0, 127, 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, 127, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5848, 21.1769, 81.4945 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, 235) }
```

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

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