

Converting Colors

XYZ(22.3348, 19.6354, 84.6158)

Have a look what the booklet for
XYZ(22.3348, 19.6354, 84.6158)
contains.

XYZ(22.2965, 19.6649, 84.2819)	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(22.2965, 19.6649,
84.2819)**

Conversions

Conversions Part 1

Format	Color
Hex	0078EF
RGB	0, 120, 239
RGB Percent	0%, 47%, 94%
CMY	0.9997, 0.5294, 0.0627
CMYK	1.00, 0.50, 0.00, 0.06
HSL	210°, 100%, 47%
HSV	210°, 100%, 94%
XYZ	22.2965, 19.6649, 84.2819
YIQ	97.6860, -109.7190, 11.5690

Conversions

Conversions Part 2

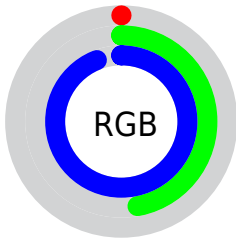
Format	Color
R _Y B	0, 80, 239
Decimal	30959
CIE Lab	51.46, 17.61, -67.33
CIE LCh	51, 69.595, 284.656
Yxy	19.6649, 0.1766, 0.1558
Android (android.graphics.Color)	4278221039 (0xFF0078EF)
YUV	97.6860, 69.6678, -85.6706
Hunter-Lab	44.3451, 12.1449, -81.6444

Details

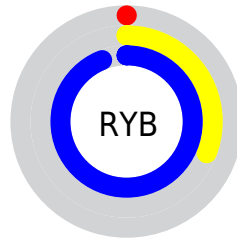
The XYZ color **22.2965, 19.6649, 84.2819** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **42.2028, 31.5621, 3.8698**, and the grayscale version is **11.3896, 11.9827, 13.0492**.

A 20% lighter version of the original color is **38.9869, 39.9132, 100.2569**, and **10.8260, 8.1425, 45.2570** is the 20% darker color. If you saturate the color by 10%, you get **22.2922, 19.6563, 84.2810**, and if you desaturate by 10%, it is **24.1943, 22.9023, 84.8073**.

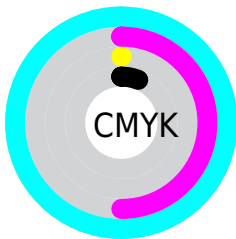
Distribution



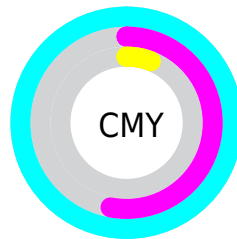
- Red (0%)
- Green (47%)
- Blue (94%)



- Red (0%)
- Yellow (31%)
- Blue (94%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (53%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2965, 19.6649, 84.2819 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 22.2965, 19.6649, 84.2819 by changing the saturation by 10% instead.

■ 22.2965, 19.6649,
84.2819

■ 22.2965, 19.6649,
84.2819

256.6941,
250.0952, 529.3314

■ 14.1927, 12.1517,
62.7015

■ 46.7108, 42.8546,
141.2347

■ 8.3374, 6.8471,
45.1603

■ 63.7520, 59.3000,
177.4441

■ 4.3652, 3.3666,
31.2398

■ 84.5031, 79.4915,
219.3670

■ 1.9108, 1.3260,
20.5216

■ 109.3294,
103.8135, 267.4218

■ 0.5831, 0.1612,
12.5869

■ 138.5964,
132.6505, 322.0271

■ 0.0000, 0.0000,
7.0173

172.6692,

■ 0.0000, 0.0000,

166.3869, 383.6014

3.3943

211.9133,
205.4070, 452.5633

■ 0.0000, 0.0000,
1.2993

■ 0.0000, 0.0000,
0.0612

■ 22.2965, 19.6649,
84.2819

■ 22.2965, 19.6649,
84.2819

■ 22.2922, 19.6563,
84.2810

■ 24.1943, 22.9023,
84.8073

■ 26.7371, 26.7455,
85.4150

■ 30.0757, 31.2811,
86.1145

■ 34.3012, 36.5643,
86.9116

■ 39.4909, 42.6430,
87.8114

■ 45.7128, 49.5599,
88.8185

■ 53.0283, 57.3540,
89.9374

■ 61.4935, 66.0616,
91.1720

■ 71.1607, 75.7163,
92.5260

Harmonies

Analogous

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



15.3596, 19.6649, 83.9844



22.2965, 19.6649, 84.2819



29.8000, 19.6649, 62.0441

Triad

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



22.2965, 19.6649, 84.2819



29.9559, 19.6649, 4.1652



8.5056, 19.6649, 12.7660

Complementary

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



22.2965, 19.6649, 84.2819



42.2028, 31.5621, 3.8698

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.



10.7557, 19.6649, 4.0566



22.2965, 19.6649, 84.2819



22.4721, 19.6649, 1.6199

Square

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



22.2965, 19.6649, 84.2819



34.9145, 19.6649, 13.0845



15.4966, 19.6649, 1.5986



8.4810, 19.6649, 32.6838

Rectangle

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



22.2965, 19.6649, 84.2819



33.6336, 19.6649, 42.4395



15.4966, 19.6649, 1.5986



8.9959, 19.6649, 8.8129

Sweetspot

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



22.2974, 19.6654, 84.2825



61.3117, 66.3176, 104.1768



33.9941, 62.9845, 26.7530



12.3233, 13.3511, 22.1775



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.



22.2974, 19.6654, 84.2825



25.7685, 22.6569, 97.6228



15.6250, 6.3205, 82.0583



15.5529, 16.5399, 20.0944



12.4505, 11.1253, 46.6191



1.1353, 1.1246, 3.9114

Inverse Universe

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



38.9878, 19.7085, 19.5185



45.1359, 22.8184, 22.4456



65.3108, 77.7782, 11.5725



16.1038, 15.8912, 18.1026



21.6101, 10.9165, 11.1291



1.8480, 0.9282, 1.1904

Previews

White Background



This preview shows how the XYZ color 22.2965, 19.6649, 84.2819 looks on a white background.

Color Contrast Check

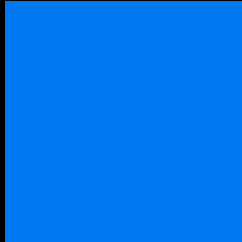
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2965, 19.6649, 84.2819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

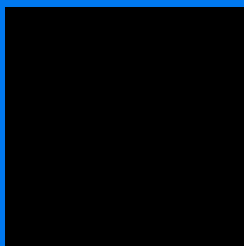
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

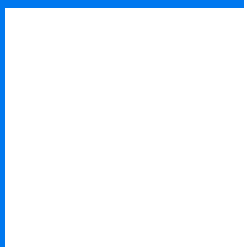
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.2965, 19.6649, 84.2819

Background



This preview shows how black text looks on a background with the XYZ color 22.2965, 19.6649, 84.2819.



This preview shows how white text looks on a background with the XYZ color 22.2965, 19.6649,

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

22.2965, 19.6649, 84.2819

Protanopia

23.1297, 19.7751, 82.7187

Deuteranopia

19.8580, 19.6770, 68.3970



Tritanopia

13.8382, 19.6219, 29.4436

Trichromacy



Original Color

22.2965, 19.6649, 84.2819

Protanomaly

22.6251, 19.6738, 83.4939

Deuteranomaly

20.6736, 19.6022, 73.9281

Tritanomaly

16.1193, 19.2199, 45.5081

Monochromacy



Original Color

22.2965, 19.6649, 84.2819

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.5655, 13.5021, 30.3777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2965, 19.6649, 84.2819 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, 120, 239)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 239)  
}
```

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, 120, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 239) }
```

Border

The CSS property to change the border of an element to XYZ 22.2965, 19.6649, 84.2819 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, 120, 239) }
```


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

```
.border{ border-color:rgb(0, 120, 239) }
```

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

Here you see how a box with a 4 pixel rgb(0, 120, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 239);  
box-shadow:4px 4px 4px 4px rgb(0, 120,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2965, 19.6649, 84.2819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 239) }
```

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

```
.background{ background-color: rgb(0, 120,  
239) }
```

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