

Converting Colors

XYZ(22.7655, 18.5829, 90.6661)

Have a look what the booklet for
XYZ(22.7655, 18.5829, 90.6661)
contains.

XYZ(22.6936, 18.5257, 90.3754)	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(22.6936, 18.5257,
90.3754)**

Conversions

Conversions Part 1

Format	Color
Hex	0071F7
RGB	0, 113, 247
RGB Percent	0%, 44%, 97%
CMY	0.9997, 0.5569, 0.0314
CMYK	1.00, 0.54, 0.00, 0.03
HSL	213°, 100%, 48%
HSV	213°, 100%, 97%
XYZ	22.6936, 18.5257, 90.3754
YIQ	94.4890, -110.3620, 17.7180

Conversions

Conversions Part 2

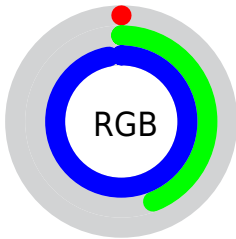
Format	Color
R _{YB}	0, 78, 247
Decimal	29175
CIE _{Lab}	50.13, 25.16, -73.94
CIE _{LCh}	50, 78.106, 288.788
Yxy	18.5257, 0.1725, 0.1408
Android (android.graphics.Color)	4278219255 (0xFF0071F7)
YUV	94.4890, 75.1879, -82.8669
Hunter-Lab	43.0415, 18.7914, -94.3638

Details

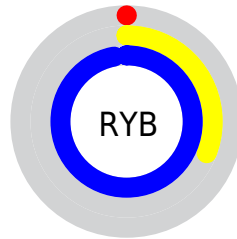
The XYZ color **22.6936, 18.5257, 90.3754** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **46.8926, 36.8429, 4.6418**, and the grayscale version is **10.6061, 11.1584, 12.1515**.

A 20% lighter version of the original color is **37.8810, 37.1504, 99.7819**, and **11.3014, 7.7320, 49.6120** is the 20% darker color. If you saturate the color by 10%, you get **22.6897, 18.5177, 90.3746**, and if you desaturate by 10%, it is **24.6963, 21.9443, 90.9302**.

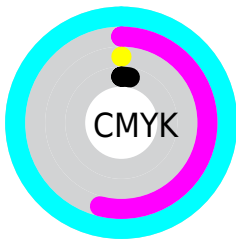
Distribution



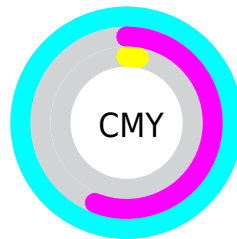
- Red (0%)
- Green (44%)
- Blue (97%)



- Red (0%)
- Yellow (31%)
- Blue (97%)



- Cyan (100%)
- Magenta (54%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (56%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6936, 18.5257, 90.3754 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 22.6936, 18.5257, 90.3754 by changing the saturation by 10% instead.

■ 22.6936, 18.5257,
90.3754

■ 22.6936, 18.5257,
90.3754

258.7122,
243.8177, 549.8528

■ 14.4869, 11.3281,
67.7166

■ 47.3601, 40.9311,
149.7998

■ 8.5440, 6.2879,
49.2019

■ 64.5506, 56.9076,
187.4025

■ 4.4997, 3.0210,
34.4130

■ 85.4664, 76.5793,
230.8235

■ 1.9885, 1.1427,
22.9311

■ 110.4728,
100.3304, 280.4814

■ 0.6275, 0.0141,
14.3378

■ 139.9352,
128.5454, 336.7947

■ 0.0000, 0.0000,
8.2146

174.2190,

■ 0.0000, 0.0000,

161.6087, 400.1821

4.1428

213.6896,
199.9047, 471.0619

■ 0.0000, 0.0000,
1.7040

■ 0.0000, 0.0000,
0.3635

■ 22.6936, 18.5257,
90.3754

■ 22.6936, 18.5257,
90.3754

■ 22.6897, 18.5177,
90.3746

■ 24.6963, 21.9443,
90.9302

■ 27.4278, 26.0800,
91.5845

■ 31.0512, 31.0295,
92.3489

■ 35.6678, 36.8570,
93.2304

■ 41.3631, 43.6181,
94.2352

■ 48.2129, 51.3629,
95.3691

■ 56.2853, 60.1370,
96.6372

■ 65.6428, 69.9827,
98.0444

■ 76.3435, 80.9397,
99.5953

Harmonies

Analogous

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



14.9408, 18.5257, 94.2831



22.6936, 18.5257, 90.3754



30.8964, 18.5257, 61.6672

Triad

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



22.6936, 18.5257, 90.3754



28.9706, 18.5257, 2.2962



6.8838, 18.5257, 13.1366

Complementary

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



22.6936, 18.5257, 90.3754



46.8926, 36.8429, 4.6418

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.



8.8093, 18.5257, 3.3313



22.6936, 18.5257, 90.3754



20.5754, 18.5257, 0.6860

Square

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



22.6936, 18.5257, 90.3754



35.1746, 18.5257, 9.5490



13.3455, 18.5257, 0.8727



7.1519, 18.5257, 36.6852

Rectangle

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



22.6936, 18.5257, 90.3754



34.8434, 18.5257, 39.1963



13.3455, 18.5257, 0.8727



7.2674, 18.5257, 8.5824

Sweetspot

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



22.6946, 18.5261, 90.3759



60.4419, 64.5780, 103.8869



37.4105, 68.1818, 32.9340



12.1182, 12.9409, 22.1091



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.



22.6946, 18.5261, 90.3759



24.3674, 19.8549, 97.1558



16.8932, 6.7704, 88.4126



16.2055, 17.1754, 21.0036



12.1380, 10.0698, 47.8419



1.1683, 1.0879, 4.2387

Inverse Universe

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



41.3393, 20.9680, 17.4912



44.4287, 22.5355, 18.7217



68.7801, 84.8326, 12.7511



16.8143, 16.6086, 18.7688



21.9312, 11.1159, 9.6121



1.9787, 0.9975, 1.1145

Previews

White Background



This preview shows how the XYZ color 22.6936, 18.5257, 90.3754 looks on a white background.

Color Contrast Check

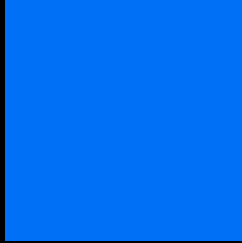
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6936, 18.5257, 90.3754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

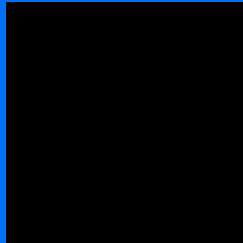
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

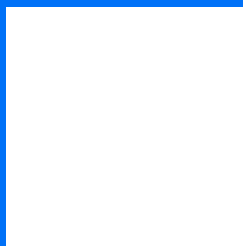
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.6936, 18.5257, 90.3754

Background



This preview shows how black text looks on a background with the XYZ color 22.6936, 18.5257, 90.3754.



This preview shows how white text looks on a background with the XYZ color 22.6936, 18.5257,

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

22.6936, 18.5257, 90.3754

Protanopia

22.1950, 18.5057, 87.1962

Deuteranopia

18.3460, 18.2782, 62.8827



Tritanopia

12.9849, 18.3960, 27.6773

Trichromacy



Original Color

22.6936, 18.5257, 90.3754

Protanomaly

22.3464, 18.5663, 87.9938

Deuteranomaly

19.7977, 18.2846, 72.2979

Tritanomaly

15.4703, 17.9219, 45.2917

Monochromacy



Original Color

22.6936, 18.5257, 90.3754

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

12.1199, 12.6654, 30.6600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6936, 18.5257, 90.3754 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, 113, 247)` looks like.

```
.text, #text, p{  
  color:rgb(0, 113, 247)  
}
```

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, 113, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 247) }
```

Border

The CSS property to change the border of an element to XYZ 22.6936, 18.5257, 90.3754 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, 113, 247) }
```


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

```
.border{ border-color:rgb(0, 113, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 113, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 113,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6936, 18.5257, 90.3754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 247) }
```

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

```
.background{ background-color: rgb(0, 113,  
247) }
```

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