

Converting Colors

XYZ(23.9893, 21.0306, 91.0741)

Have a look what the booklet for
XYZ(23.9893, 21.0306, 91.0741)
contains.

XYZ(23.9962, 21.1307, 90.8096)	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(23.9962, 21.1307,
90.8096)**

Conversions

Conversions Part 1

Format	Color
Hex	007CF7
RGB	0, 124, 247
RGB Percent	0%, 49%, 97%
CMY	0.9997, 0.5137, 0.0314
CMYK	1.00, 0.50, 0.00, 0.03
HSL	210°, 100%, 48%
HSV	210°, 100%, 97%
XYZ	23.9962, 21.1307, 90.8096
YIQ	100.9460, -113.3870, 11.9650

Conversions

Conversions Part 2

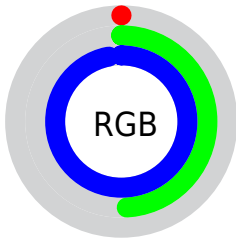
Format	Color
R _Y B	0, 83, 247
Decimal	31991
CIE _{Lab}	53.09, 18.20, -69.13
CIE _{LCh}	53, 71.490, 284.750
Y _{xy}	21.1307, 0.1765, 0.1554
Android (android.graphics.Color)	4278222071 (0xFF007CF7)
YUV	100.9460, 72.0046, -88.5296
Hunter-Lab	45.9681, 12.7360, -84.9491

Details

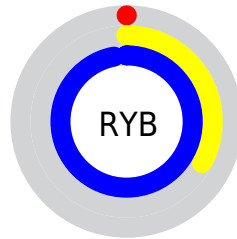
The XYZ color **23.9962, 21.1307, 90.8096** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **45.4509, 33.9594, 4.1615**, and the grayscale version is **12.2031, 12.8386, 13.9813**.

A 20% lighter version of the original color is **40.0057, 41.5857, 100.5260**, and **11.9481, 9.0255, 49.8275** is the 20% darker color. If you saturate the color by 10%, you get **23.9915, 21.1213, 90.8086**, and if you desaturate by 10%, it is **26.0310, 24.6133, 91.3751**.

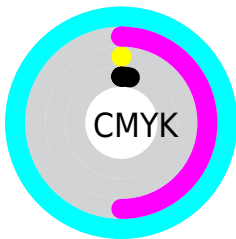
Distribution



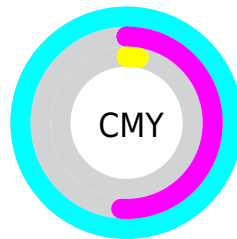
- Red (0%)
- Green (49%)
- Blue (97%)



- Red (0%)
- Yellow (33%)
- Blue (97%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (51%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9962, 21.1307, 90.8096 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 23.9962, 21.1307, 90.8096 by changing the saturation by 10% instead.

■ 23.9962, 21.1307,
90.8096

■ 23.9962, 21.1307,
90.8096

265.2421,
257.9723, 551.2989

■ 15.4555, 13.2196,
68.0748

■ 49.4787, 45.3050,
150.4078

■ 9.2281, 7.5799,
49.4915

■ 67.1513, 62.3369,
188.1083

■ 4.9486, 3.8273,
34.6412

■ 88.5985, 83.1778,
231.6344

■ 2.2516, 1.5775,
23.1053

■ 114.1857,
108.2123, 281.4048

■ 0.7697, 0.3423,
14.4652

■ 144.2784,
137.8245, 337.8378

■ 0.0000, 0.0000,
8.3025

179.2417,

■ 0.0000, 0.0000,

172.3990, 401.3522

4.1986

219.4412,
212.3201, 472.3663

■ 0.0000, 0.0000,
1.7349

■ 0.0000, 0.0000,
0.3845

■ 23.9962, 21.1307,
90.8096

■ 23.9962, 21.1307,
90.8096

■ 23.9915, 21.1213,
90.8086

■ 26.0310, 24.6133,
91.3751

■ 28.7638, 28.7513,
92.0298

■ 32.3557, 33.6371,
92.7835

■ 36.9056, 39.3310,
93.6427

■ 42.4975, 45.8846,
94.6130

■ 49.2051, 53.3445,
95.6994

■ 57.0950, 61.7529,
96.9065

■ 66.2280, 71.1490,
98.2388

■ 76.6607, 81.5694,
99.7003

Harmonies

Analogous

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



16.5149, 21.1307, 90.5762



23.9962, 21.1307, 90.8096



32.0844, 21.1307, 66.7443

Triad

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



23.9962, 21.1307, 90.8096



32.2065, 21.1307, 4.4314



9.1121, 21.1307, 13.7417

Complementary

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



23.9962, 21.1307, 90.8096



45.4509, 33.9594, 4.1615

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.



11.5254, 21.1307, 4.3467



23.9962, 21.1307, 90.8096



24.1337, 21.1307, 1.7169

Square

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



23.9962, 21.1307, 90.8096



37.5692, 21.1307, 13.9908



16.6221, 21.1307, 1.7004



9.0929, 21.1307, 35.2475

Rectangle

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



23.9962, 21.1307, 90.8096



36.2115, 21.1307, 45.5865



16.6221, 21.1307, 1.7004



9.6371, 21.1307, 9.4755

Sweetspot

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



23.9972, 21.1313, 90.8102



61.3103, 66.3148, 104.1764



36.6172, 67.8645, 28.7555



12.3230, 13.3505, 22.1774



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.



23.9972, 21.1313, 90.8102



25.7661, 22.6523, 97.6220



16.8351, 6.8069, 88.4228



16.2684, 17.3011, 21.0246



12.8305, 11.4547, 48.0728



1.2305, 1.2123, 4.2594

Inverse Universe

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



41.9969, 21.2312, 20.9533



45.1348, 22.8179, 22.4395



70.3747, 83.8070, 12.4694



16.8460, 16.6213, 18.9359



22.2807, 11.2557, 11.4527



2.0101, 1.0100, 1.2798

Previews

White Background



This preview shows how the XYZ color 23.9962, 21.1307, 90.8096 looks on a white background.

Color Contrast Check

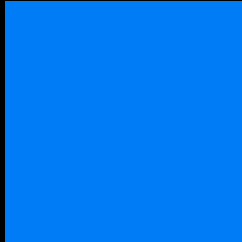
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9962, 21.1307, 90.8096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

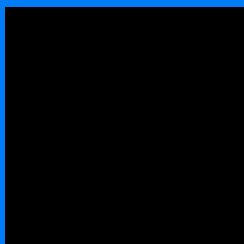
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

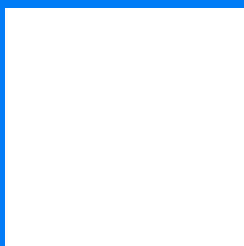
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.9962, 21.1307, 90.8096

Background



This preview shows how black text looks on a background with the XYZ color 23.9962, 21.1307, 90.8096.



This preview shows how white text looks on a background with the XYZ color 23.9962, 21.1307,

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

23.9962, 21.1307, 90.8096

Protanopia

24.9092, 21.2685, 89.1786

Deuteranopia

21.3048, 21.0823, 73.4674



Tritanopia

14.8029, 20.9261, 31.6927

Trichromacy



Original Color

23.9962, 21.1307, 90.8096

Protanomaly

24.3772, 21.1598, 89.9882

Deuteranomaly

22.1549, 21.0049, 79.2306

Tritanomaly

17.2821, 20.5530, 48.9552

Monochromacy



Original Color

23.9962, 21.1307, 90.8096

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.4157, 14.3604, 32.6366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9962, 21.1307, 90.8096 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, 124, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 124, 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, 124, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 247) }
```

Border

The CSS property to change the border of an element to XYZ 23.9962, 21.1307, 90.8096 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, 124, 247) }
```


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

```
.border{ border-color:rgb(0, 124, 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, 124, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 124,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9962, 21.1307, 90.8096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 124, 247) }
```

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

```
.background{ background-color: rgb(0, 124,  
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](#).

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