

Converting Colors

XYZ(5.7166, 12.2990, 84.8312)

Have a look what the booklet for
XYZ(5.7166, 12.2990, 84.8312)
contains.

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Color

**XYZ(23.3175, 21.4700,
85.3532)**

Conversions

Conversions Part 1

Format	Color
Hex	007FF0
RGB	0, 127, 240
RGB Percent	0%, 50%, 94%
CMY	0.9998, 0.5020, 0.0588
CMYK	1.00, 0.47, 0.00, 0.06
HSL	208°, 100%, 47%
HSV	208°, 100%, 94%
XYZ	23.3175, 21.4700, 85.3532
YIQ	101.9090, -111.9650, 8.2190

Conversions

Conversions Part 2

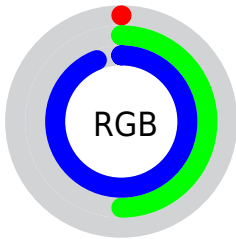
Format	Color
R _{YB}	0, 83, 240
Decimal	32752
CIE _{Lab}	53.46, 13.61, -64.65
CIE _{LCh}	53, 66.067, 281.886
Yxy	21.4700, 0.1792, 0.1650
Android (android.graphics.Color)	4278222832 (0xFF007FF0)
YUV	101.9090, 68.0789, -89.3742
Hunter-Lab	46.3357, 8.7389, -76.7807

Details

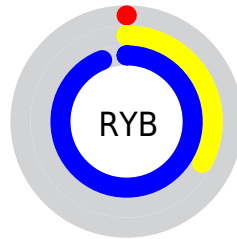
The XYZ color **23.3175, 21.4700, 85.3532** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **41.8479, 30.3498, 3.6543**, and the grayscale version is **12.4598, 13.1087, 14.2753**.

A 20% lighter version of the original color is **40.3544, 42.6483, 100.7128**, and **11.3432, 9.0109, 45.9412** is the 20% darker color. If you saturate the color by 10%, you get **23.3139, 21.4626, 85.3525**, and if you desaturate by 10%, it is **25.2385, 24.7504, 85.8857**.

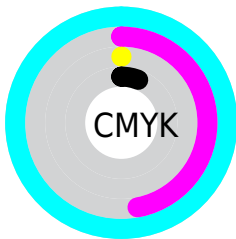
Distribution



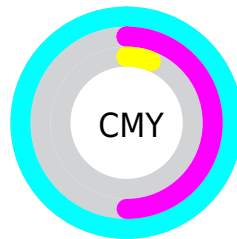
- Red (0%)
- Green (50%)
- Blue (94%)



- Red (0%)
- Yellow (33%)
- Blue (94%)



- Cyan (100%)
- Magenta (47%)
- Yellow (0%)
- Black (6%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3175, 21.4700, 85.3532 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 23.3175, 21.4700, 85.3532 by changing the saturation by 10% instead.

■ 23.3175, 21.4700,
85.3532

■ 23.3175, 21.4700,
85.3532

261.8566,
259.7658, 532.9711

■ 14.9501, 13.4680,
63.5814

■ 48.3770, 45.8684,
142.7451

■ 8.8705, 7.7516,
45.8677

■ 65.7998, 63.0337,
179.2023

■ 4.7132, 3.9364,
31.7935

■ 86.9717, 84.0221,
221.3917

■ 2.1130, 1.6381,
20.9403

■ 112.2582,
109.2181, 269.7319

■ 0.6963, 0.3831,
12.8896

■ 142.0246,
139.0061, 324.6414

■ 0.0000, 0.0000,
7.2227

176.6362,

■ 0.0000, 0.0000,

173.7704, 386.5387

3.5212

216.4584,
213.8955, 455.8425

■ 0.0000, 0.0000,
1.3665

■ 0.0000, 0.0000,
0.1154

■ 23.3175, 21.4700,
85.3532

■ 23.3175, 21.4700,
85.3532

■ 23.3139, 21.4626,
85.3525

■ 25.2385, 24.7504,
85.8857

■ 27.7938, 28.6085,
86.4957

■ 31.1345, 33.1295,
87.1922

■ 35.3517, 38.3675,
87.9810

■ 40.5227, 44.3688,
88.8668

■ 46.7153, 51.1751,
89.8542

■ 53.9907, 58.8241,
90.9471

■ 62.4048, 67.3507,
92.1495

■ 72.0097, 76.7876,
93.4647

Harmonies

Analogous

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



16.4881, 21.4700, 82.7998



23.3175, 21.4700, 85.3532



30.8202, 21.4700, 65.6293

Triad

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



23.3175, 21.4700, 85.3532



32.2065, 21.4700, 5.8921



10.0715, 21.4700, 13.2937

Complementary

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



23.3175, 21.4700, 85.3532



41.8479, 30.3498, 3.6543

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.



12.6507, 21.4700, 4.7841



23.3175, 21.4700, 85.3532



24.9014, 21.4700, 2.5160

Square

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



23.3175, 21.4700, 85.3532



36.6862, 21.4700, 16.2794



17.7486, 21.4700, 2.2778



9.8361, 21.4700, 32.2859

Rectangle

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



23.3175, 21.4700, 85.3532



34.7915, 21.4700, 46.7586



17.7486, 21.4700, 2.2778



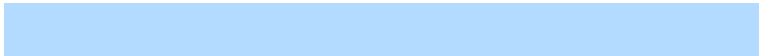
10.6599, 21.4700, 9.4746

Sweetspot

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



23.3185, 21.4706, 85.3538



61.8492, 67.3926, 104.3560



34.0876, 63.4916, 25.7976



12.4504, 13.6053, 22.2198



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.



23.3185, 21.4706, 85.3538



26.7009, 24.5218, 97.9336



15.8165, 6.4667, 82.8531



15.5895, 16.6132, 20.1066



12.8968, 12.0178, 46.7678



1.1725, 1.1989, 3.9238

Inverse Universe

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



39.7669, 20.0591, 21.8547



45.6066, 23.0066, 24.9241



64.7931, 76.2403, 11.3027



16.1223, 15.8986, 18.2000



21.8353, 11.0066, 12.3153



1.8668, 0.9357, 1.2892

Previews

White Background



This preview shows how the XYZ color 23.3175, 21.4700, 85.3532 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 23.3175, 21.4700, 85.3532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

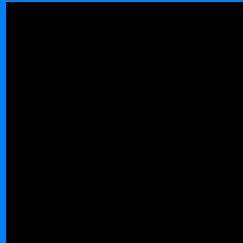
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

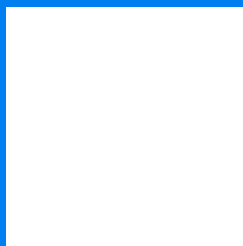
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.3175, 21.4700, 85.3532

Background



This preview shows how black text looks on a background with the XYZ color 23.3175, 21.4700, 85.3532.



This preview shows how white text looks on a background with the XYZ color 23.3175, 21.4700,

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

23.3175, 21.4700, 85.3532

Protanopia

24.6072, 21.4510, 82.2004

Deuteranopia

21.8478, 21.5113, 75.6736

Trichromacy



Original Color

23.3175, 21.4700, 85.3532

Protanomaly

23.4900, 21.0433, 82.9445

Deuteranomaly

22.4157, 21.5267, 79.3176

Monochromacy



Original Color

23.3175, 21.4700, 85.3532

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.5319, 14.7597, 31.8415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3175, 21.4700, 85.3532 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 240)  
}
```

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, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 240) }
```

Border

The CSS property to change the border of an element to XYZ 23.3175, 21.4700, 85.3532 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, 240) }
```

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

```
.border{ border-color:rgb(0, 127, 240) }
```

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, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
240) }
```


Background

The CSS property to change the background color of an element to XYZ 23.3175, 21.4700, 85.3532 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, 240) }
```

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

```
.background{ background-color: rgb(0, 127,  
240) }
```

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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