

Converting Colors

XYZ(9.5447, 5.0021, 53.2151)

Have a look what the booklet for
XYZ(9.5447, 5.0021, 53.2151)
contains.

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Color

**XYZ(10.9060, 5.6871,
53.3462)**

Conversions

Conversions Part 1

Format	Color
Hex	002AC5
RGB	0, 42, 197
RGB Percent	0%, 16%, 77%
CMY	0.9998, 0.8353, 0.2274
CMYK	1.00, 0.79, 0.00, 0.23
HSL	227°, 100%, 39%
HSV	227°, 100%, 77%
XYZ	10.9060, 5.6871, 53.3462
YIQ	47.1120, -74.7870, 39.3010

Conversions

Conversions Part 2

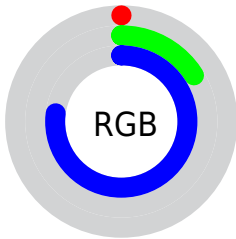
Format	Color
RYB	0, 35, 197
Decimal	10949
CIELab	28.61, 50.69, -80.76
CIELCh	29, 95.345, 302.114
Yxy	5.6871, 0.1559, 0.0813
Android (android.graphics.Color)	4278201029 (0xFF002AC5)
YUV	47.1120, 73.8948, -41.3172
Hunter-Lab	23.8476, 39.8982, -115.9360

Details

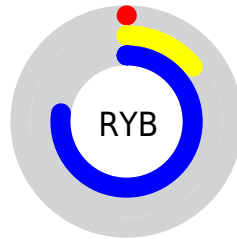
The XYZ color **10.9060, 5.6871, 53.3462** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **34.7558, 35.3296, 4.9887**, and the grayscale version is **2.6450, 2.7827, 3.0304**.

A 20% lighter version of the original color is **27.1857, 17.3571, 96.5252**, and **4.8825, 1.9530, 25.7108** is the 20% darker color. If you saturate the color by 10%, you get **10.9046, 5.6844, 53.3460**, and if you desaturate by 10%, it is **11.8494, 7.1532, 53.5797**.

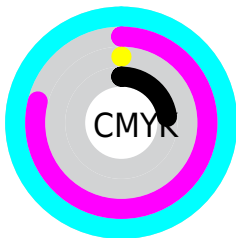
Distribution



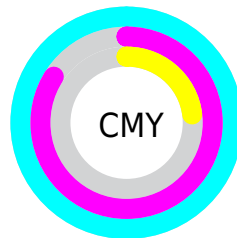
- Red (0%)
- Green (16%)
- Blue (77%)



- Red (0%)
- Yellow (14%)
- Blue (77%)



- Cyan (100%)
- Magenta (79%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (84%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.9060, 5.6871, 53.3462 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 10.9060, 5.6871, 53.3462 by changing the saturation by 10% instead.

■ 10.9060, 5.6871,
53.3462

■ 10.9060, 5.6871,
53.3462

190.9431,
156.2599, 416.7158

■ 6.0705, 2.6558,
37.6896

■ 27.1207, 17.2784,
96.5603

■ 2.9291, 0.9548,
25.4419

■ 39.2306, 26.6071,
124.9549

■ 1.1164, 0.0000,
16.1846

■ 54.4960, 38.8038,
158.4325

■ 0.0387, 0.0000,
9.4991

■ 73.2823, 54.2528,
197.4118

■ 0.0000, 0.0000,
4.9669

■ 95.9548, 73.3385,
242.3112

■ 0.0000, 0.0000,
2.1695

■ 122.8789, 96.4453,

■ 0.0000, 0.0000,

293.5494

0.6567

154.4199,
123.9576, 351.5447

0.0000, 0.0000,
0.0000

10.9060, 5.6871,
53.3462

10.9060, 5.6871,
53.3462

10.9046, 5.6844,
53.3460

11.8494, 7.1532,
53.5797

13.3145, 9.2369,
53.9046

15.4218, 12.0285,
54.3324

18.2411, 15.5898,
54.8712

21.8324, 19.9750,
55.5284

■ 26.2493, 25.2334,
56.3105

■ 31.5403, 31.4100,
57.2239

■ 37.7501, 38.5468,
58.2741

■ 44.9204, 46.6832,
59.4667

Harmonies

Analogous

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



5.7075, 5.6871, 69.4881



10.9060, 5.6871, 53.3462



16.0830, 5.6871, 24.4153

Triad

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



10.9060, 5.6871, 53.3462



10.1060, 5.6871, 0.0000



0.6844, 5.6871, 7.0813

Complementary

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



10.9060, 5.6871, 53.3462



34.7558, 35.3296, 4.9887

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.



0.9580, 5.6871, 0.3308



10.9060, 5.6871, 53.3462



5.1142, 5.6871, 0.0000

Square

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



10.9060, 5.6871, 53.3462



15.4771, 5.6871, 0.0000



2.1585, 5.6871, 0.0000



1.0547, 5.6871, 28.2751

Rectangle

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



10.9060, 5.6871, 53.3462



17.9233, 5.6871, 9.9197



2.1585, 5.6871, 0.0000



0.7048, 5.6871, 3.5396

Sweetspot

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



10.9064, 5.6871, 53.3464



55.9941, 55.6823, 102.4043



25.8269, 42.2769, 37.5137



11.0818, 10.8681, 21.7636



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.



10.9064, 5.6871, 53.3464



19.3838, 9.8877, 95.4946



11.7010, 4.8686, 53.1465



10.2368, 10.6476, 13.4331



7.2228, 3.8396, 35.1048



0.3964, 0.2906, 1.6803

Inverse Universe

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



23.4444, 12.0385, 3.2781



41.9133, 21.5293, 5.4753



30.9845, 45.6127, 7.1724



10.7248, 10.6733, 11.5340



15.4451, 7.9276, 2.2877



0.7588, 0.3864, 0.2529

Previews

White Background



This preview shows how the XYZ color 10.9060, 5.6871, 53.3462 looks on a white background.

Color Contrast Check

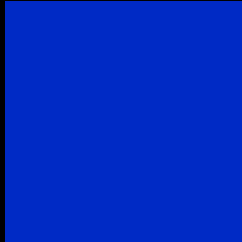
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 10.9060, 5.6871, 53.3462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

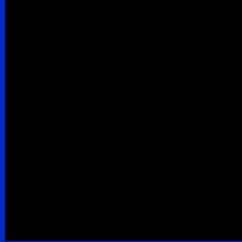
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.9060, 5.6871, 53.3462

Background



This preview shows how black text looks on a background with the XYZ color 10.9060, 5.6871, 53.3462.



This preview shows how white text looks on a background with the XYZ color 10.9060, 5.6871,

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

10.9060, 5.6871, 53.3462

Protanopia

6.4777, 5.6156, 24.7873

Deuteranopia

5.4010, 5.6647, 17.6383



Tritanopia

3.9274, 5.5967, 8.2704

Trichromacy



Original Color

10.9060, 5.6871, 53.3462

Protanomaly

7.7211, 5.4295, 33.4419

Deuteranomaly

6.8042, 5.3070, 27.8599

Tritanomaly

5.2904, 4.9602, 19.0909

Monochromacy



Original Color

10.9060, 5.6871, 53.3462

Achromatopsia

2.7019, 2.8426, 3.0956

Achromatomaly

3.8721, 3.1121, 12.9670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9060, 5.6871, 53.3462 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, 42, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 42, 197)  
}
```

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, 42, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 42, 197) }
```

Border

The CSS property to change the border of an element to XYZ 10.9060, 5.6871, 53.3462 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, 42, 197) }
```


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

```
.border{ border-color:rgb(0, 42, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 42, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 42, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 42, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 42, 197)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.9060, 5.6871, 53.3462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 42, 197) }
```

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

```
.background{ background-color: rgb(0, 42,  
197) }
```

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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