

Converting Colors

XYZ(2.5829, 1.4205, 52.0338)

Have a look what the booklet for
XYZ(2.5829, 1.4205, 52.0338)
contains.

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Color

**XYZ(10.6783, 5.5961,
52.1471)**

Conversions

Conversions Part 1

Format	Color
Hex	002AC3
RGB	0, 42, 195
RGB Percent	0%, 16%, 76%
CMY	0.9998, 0.8353, 0.2353
CMYK	1.00, 0.78, 0.00, 0.24
HSL	227°, 100%, 38%
HSV	227°, 100%, 76%
XYZ	10.6783, 5.5961, 52.1471
YIQ	46.8840, -74.1450, 38.6790

Conversions

Conversions Part 2

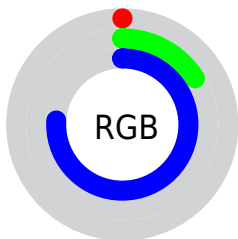
Format	Color
RYB	0, 35, 195
Decimal	10947
CIELab	28.37, 50.01, -79.98
CIELCh	28, 94.329, 302.020
Yxy	5.5961, 0.1561, 0.0818
Android (android.graphics.Color)	4278201027 (0xFF002AC3)
YUV	46.8840, 73.0212, -41.1173
Hunter-Lab	23.6561, 39.1764, -114.1387

Details

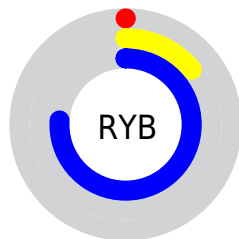
The XYZ color **10.6783, 5.5961, 52.1471** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **33.9044, 34.3990, 4.8539**, and the grayscale version is **2.6219, 2.7584, 3.0039**.

A 20% lighter version of the original color is **26.7526, 17.1709, 94.8328**, and **4.7445, 1.9152, 24.9305** is the 20% darker color. If you saturate the color by 10%, you get **10.6771, 5.5936, 52.1469**, and if you desaturate by 10%, it is **11.6076, 7.0402, 52.3771**.

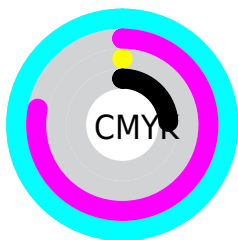
Distribution



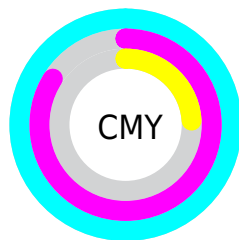
- Red (0%)
- Green (16%)
- Blue (76%)



- Red (0%)
- Yellow (14%)
- Blue (76%)



- Cyan (100%)
- Magenta (78%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (84%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.6783, 5.5961, 52.1471 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 10.6783, 5.5961, 52.1471 by changing the saturation by 10% instead.

■ 10.6783, 5.5961,
52.1471

■ 10.6783, 5.5961,
52.1471

189.4012,
155.4283, 411.9773

■ 5.9166, 2.6011,
36.7393

■ 26.7020, 17.0872,
94.7769

■ 2.8346, 0.9272,
24.7115

■ 38.6947, 26.3520,
122.8360

■ 1.0669, 0.0000,
15.6452

■ 53.8286, 38.4756,
155.9493

■ 0.0000, 0.0000,
9.1218

■ 72.4688, 53.8423,
194.5353

■ 0.0000, 0.0000,
4.7228

■ 94.9808, 72.8365,
239.0126

■ 0.0000, 0.0000,
2.0297

■ 121.7300, 95.8427,

■ 0.0000, 0.0000,

289.7996

0.5734

153.0817,
123.2451, 347.3150

0.0000, 0.0000,
0.0000

10.6783, 5.5961,
52.1471

10.6783, 5.5961,
52.1471

10.6771, 5.5936,
52.1469

11.6076, 7.0402,
52.3771

13.0452, 9.0855,
52.6961

15.1090, 11.8203,
53.1152

17.8669, 15.3041,
53.6423

21.3772, 19.5898,
54.2845

■ 25.6919, 24.7249,
55.0482

■ 30.8585, 30.7532,
55.9395

■ 36.9202, 37.7155,
56.9639

■ 43.9177, 45.6499,
58.1266

Harmonies

Analogous

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



5.6012, 5.5961, 67.7808



10.6783, 5.5961, 52.1471



15.7363, 5.5961, 23.9658

Triad

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



10.6783, 5.5961, 52.1471



9.9318, 5.5961, 0.0000



0.6838, 5.5961, 6.9226

Complementary

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



10.6783, 5.5961, 52.1471



33.9044, 34.3990, 4.8539

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.



0.9564, 5.5961, 0.3256



10.6783, 5.5961, 52.1471



5.0463, 5.5961, 0.0000

Square

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



10.6783, 5.5961, 52.1471



15.1715, 5.5961, 0.0000



2.1421, 5.5961, 0.0000



1.0475, 5.5961, 27.5605

Rectangle

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



10.6783, 5.5961, 52.1471



17.5400, 5.5961, 9.7887



2.1421, 5.5961, 0.0000



0.7047, 5.5961, 3.4691

Sweetspot

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



10.6787, 5.5961, 52.1473



54.7817, 54.5165, 100.1052



25.2456, 41.3226, 36.6782



11.0905, 10.8855, 21.7665



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.



10.6787, 5.5961, 52.1473



18.9766, 9.7259, 93.3469



11.4417, 4.7612, 51.9459



9.7001, 10.0916, 12.7214



6.9907, 3.7380, 33.9097



0.3541, 0.2655, 1.4825

Inverse Universe

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



22.9241, 11.7702, 3.2539



40.9817, 21.0490, 5.4336



30.2905, 44.5852, 7.0105



10.1599, 10.1126, 10.9328



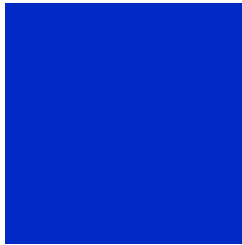
14.9246, 7.6596, 2.2489



0.6711, 0.3414, 0.2354

Previews

White Background



This preview shows how the XYZ color 10.6783, 5.5961, 52.1471 looks on a white background.

Color Contrast Check

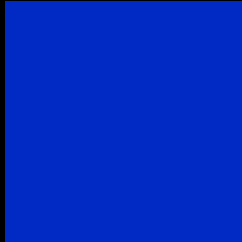
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.6783, 5.5961, 52.1471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

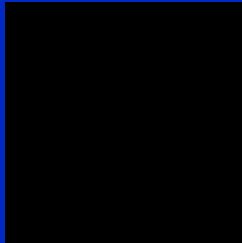
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.6783, 5.5961, 52.1471

Background



This preview shows how black text looks on a background with the XYZ color 10.6783, 5.5961, 52.1471.



This preview shows how white text looks on a background with the XYZ color 10.6783, 5.5961,

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

10.6783, 5.5961, 52.1471

Protanopia

6.3342, 5.5582, 24.0315

Deuteranopia

5.2805, 5.5172, 17.3096



Tritanopia

3.8912, 5.5822, 8.0801

Trichromacy



Original Color

10.6783, 5.5961, 52.1471

Protanomaly

7.5489, 5.3606, 32.5351

Deuteranomaly

6.6748, 5.1723, 27.4346

Tritanomaly

5.2287, 4.9355, 18.7662

Monochromacy



Original Color

10.6783, 5.5961, 52.1471

Achromatopsia

2.7019, 2.8426, 3.0956

Achromatomaly

3.8228, 3.0924, 12.7073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6783, 5.5961, 52.1471 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 42, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 42, 195) }
```

Border

The CSS property to change the border of an element to XYZ 10.6783, 5.5961, 52.1471 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, 195) }
```


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

```
.border{ border-color:rgb(0, 42, 195) }
```

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, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 42, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 42, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 42, 195)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.6783, 5.5961, 52.1471 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, 195) }
```

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

```
.background{ background-color: rgb(0, 42,  
195) }
```

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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