

Converting Colors

XYZ(3.8972, 5.8525, 36.4724)

Have a look what the booklet for
XYZ(3.8972, 5.8525, 36.4724)
contains.

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Color

**XYZ(9.8848, 8.9031,
36.7948)**

Conversions

Conversions Part 1

Format	Color
Hex	0053A5
RGB	0, 83, 165
RGB Percent	0%, 33%, 65%
CMY	0.9999, 0.6745, 0.3529
CMYK	1.00, 0.50, 0.00, 0.35
HSL	210°, 100%, 32%
HSV	210°, 100%, 65%
XYZ	9.8848, 8.9031, 36.7948
YIQ	67.5310, -75.7900, 7.9060

Conversions

Conversions Part 2

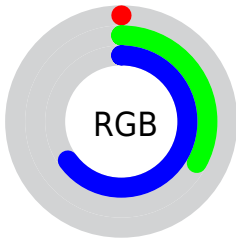
Format	Color
RYB	0, 55, 165
Decimal	21413
CIELab	35.80, 11.87, -50.00
CIELCh	36, 51.391, 283.354
Yxy	8.9031, 0.1778, 0.1602
Android (android.graphics.Color)	4278211493 (0xFF0053A5)
YUV	67.5310, 48.0522, -59.2247
Hunter-Lab	29.8381, 6.9171, -52.2268

Details

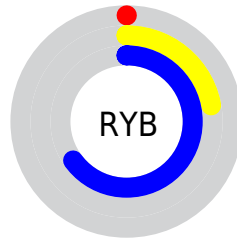
The XYZ color **9.8848, 8.9031, 36.7948** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **18.5370, 14.0388, 1.7337**, and the grayscale version is **5.3555, 5.6344, 6.1359**.

A 20% lighter version of the original color is **25.3269, 23.7977, 71.6652**, and **3.6834, 2.6874, 15.6538** is the 20% darker color. If you saturate the color by 10%, you get **9.8836, 8.9008, 36.7946**, and if you desaturate by 10%, it is **10.7728, 10.3482, 37.0272**.

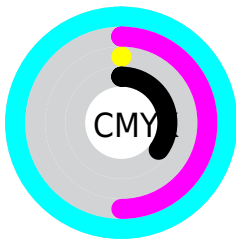
Distribution



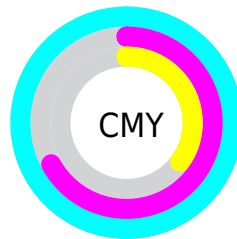
- Red (0%)
- Green (33%)
- Blue (65%)



- Red (0%)
- Yellow (22%)
- Blue (65%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (67%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8848, 8.9031, 36.7948 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 9.8848, 8.9031, 36.7948 by changing the saturation by 10% instead.

■ 9.8848, 8.9031,
36.7948

■ 9.8848, 8.9031,
36.7948

183.9187,
182.6534, 347.5632

■ 5.3843, 4.6780,
24.7541

■ 25.2302, 23.7108,
71.4399

■ 2.5115, 2.0596,
15.6766

■ 36.8059, 35.0622,
94.8813

■ 0.9011, 0.6418,
9.1437

■ 51.4707, 49.5578,
122.9601

■ 0.0000, 0.0000,
4.7370

■ 69.5900, 67.5821,
156.0948

■ 0.0000, 0.0000,
2.0377

■ 91.5290, 89.5194,
194.7039

■ 0.0000, 0.0000,
0.5783

■ 117.6533,

■ 0.0000, 0.0000,

115.7541, 239.2060

0.0000

148.3281,
146.6706, 290.0196

■ 9.8848, 8.9031,
36.7948

■ 9.8848, 8.9031,
36.7948

■ 9.8836, 8.9008,
36.7946

■ 10.7728, 10.3482,
37.0272

■ 11.9199, 12.0407,
37.2934

■ 13.4050, 14.0248,
37.5981

■ 15.2636, 16.3222,
37.9436

■ 17.5263, 18.9517,
38.3318

■ 20.2203, 21.9305,
38.7648

■ 23.3702, 25.2742,
39.2442

■ 26.9985, 28.9973,
39.7716

■ 31.1263, 33.1134,
40.3485

Harmonies

Analogous

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



6.8962, 8.9031, 36.1926



9.8848, 8.9031, 36.7948



13.1410, 8.9031, 27.6645

Triad

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



9.8848, 8.9031, 36.7948



13.4619, 8.9031, 2.1461



4.0075, 8.9031, 5.6468

Complementary

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



9.8848, 8.9031, 36.7948



18.5370, 14.0388, 1.7337

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.



5.0511, 8.9031, 1.9068



9.8848, 8.9031, 36.7948



10.2488, 8.9031, 0.8726

Square

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



9.8848, 8.9031, 36.7948



15.5160, 8.9031, 6.3197



7.1830, 8.9031, 0.8192



3.9549, 8.9031, 14.0957

Rectangle

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



9.8848, 8.9031, 36.7948



14.8332, 8.9031, 19.3029



7.1830, 8.9031, 0.8192



4.2401, 8.9031, 3.9589

Sweetspot

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



9.8852, 8.9033, 36.7950



41.5108, 44.9055, 70.2321



14.8950, 27.4864, 12.0646



8.5655, 9.2810, 15.2775



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



9.8852, 8.9033, 36.7950



17.4971, 15.5332, 65.8283



6.8222, 2.7772, 35.7740



6.9810, 7.4210, 8.9675



7.5271, 6.8336, 27.8521



0.2054, 0.2381, 0.6010

Inverse Universe

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



17.0788, 8.6246, 8.9482



30.4823, 15.4032, 15.4782



28.4819, 33.9286, 5.0486



7.2154, 7.1426, 8.1207



12.9448, 6.5340, 6.8999



0.2958, 0.1468, 0.2705

Previews

White Background



This preview shows how the XYZ color 9.8848, 8.9031, 36.7948 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 9.8848, 8.9031, 36.7948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

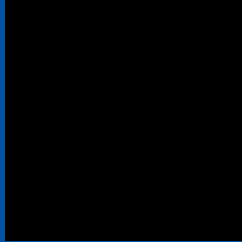
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.8848, 8.9031, 36.7948

Background



This preview shows how black text looks on a background with the XYZ color 9.8848, 8.9031, 36.7948.



This preview shows how white text looks on a background with the XYZ color 9.8848, 8.9031,

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

9.8848, 8.9031, 36.7948

Protanopia

10.2808, 8.9043, 35.8272

Deuteranopia

8.8328, 8.8576, 30.0983



Tritanopia

6.3030, 8.9255, 13.4472

Trichromacy



Original Color

9.8848, 8.9031, 36.7948

Protanomaly

10.0715, 8.8971, 36.3084

Deuteranomaly

9.1649, 8.8636, 32.2381

Tritanomaly

7.2943, 8.7676, 20.3766

Monochromacy



Original Color

9.8848, 8.9031, 36.7948

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

5.8270, 6.2580, 13.7328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8848, 8.9031, 36.7948 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, 83, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 83, 165)  
}
```

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, 83, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 83, 165) }
```

Border

The CSS property to change the border of an element to XYZ 9.8848, 8.9031, 36.7948 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, 83, 165) }
```


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

```
.border{ border-color:rgb(0, 83, 165) }
```

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

Here you see how a box with a 4 pixel rgb(0, 83, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 83, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 83, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 83, 165)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.8848, 8.9031, 36.7948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 83, 165) }
```

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

```
.background{ background-color: rgb(0, 83,  
165) }
```

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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