

Converting Colors

XYZ(8.2670, 8.0044, 40.3050)

Have a look what the booklet for
XYZ(8.2670, 8.0044, 40.3050)
contains.

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Color

**XYZ(10.5397, 9.1651,
40.2433)**

Conversions

Conversions Part 1

Format	Color
Hex	0053AC
RGB	0, 83, 172
RGB Percent	0%, 33%, 67%
CMY	0.9999, 0.6745, 0.3255
CMYK	1.00, 0.52, 0.00, 0.33
HSL	211°, 100%, 34%
HSV	211°, 100%, 67%
XYZ	10.5397, 9.1651, 40.2433
YIQ	68.3290, -78.0370, 10.0830

Conversions

Conversions Part 2

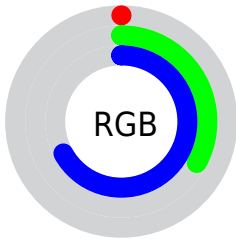
Format	Color
RYB	0, 56, 172
Decimal	21420
CIELab	36.30, 14.78, -53.36
CIELCh	36, 55.367, 285.486
Yxy	9.1651, 0.1758, 0.1529
Android (android.graphics.Color)	4278211500 (0xFF0053AC)
YUV	68.3290, 51.1098, -59.9245
Hunter-Lab	30.2739, 9.1645, -57.6228

Details

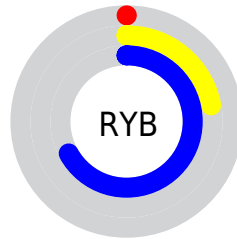
The XYZ color **10.5397, 9.1651, 40.2433** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **20.5889, 15.9214, 1.9890**, and the grayscale version is **5.4784, 5.7637, 6.2767**.

A 20% lighter version of the original color is **26.4713, 24.2776, 76.6896**, and **4.0886, 2.8495, 17.7873** is the 20% darker color. If you saturate the color by 10%, you get **10.5383, 9.1624, 40.2431**, and if you desaturate by 10%, it is **11.5005, 10.7372, 40.4964**.

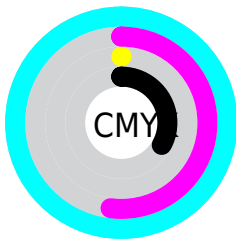
Distribution



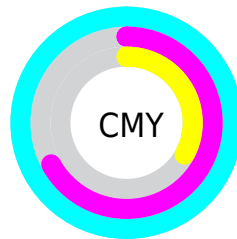
- Red (0%)
- Green (33%)
- Blue (67%)



- Red (0%)
- Yellow (22%)
- Blue (67%)



- Cyan (100%)
- Magenta (52%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (67%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.5397, 9.1651, 40.2433 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 10.5397, 9.1651, 40.2433 by changing the saturation by 10% instead.

■ 10.5397, 9.1651,
40.2433

■ 10.5397, 9.1651,
40.2433

188.4560,
184.6048, 362.7305

■ 5.8232, 4.8490,
27.4131

■ 26.4464, 24.2128,
76.7750

■ 2.7775, 2.1590,
17.6485

■ 38.3673, 35.7133,
101.3135

■ 1.0372, 0.6975,
10.5311

■ 53.4203, 50.3773,
130.5919

■ 0.0000, 0.0000,
5.6423

■ 71.9710, 68.5893,
165.0287

■ 0.0000, 0.0000,
2.5636

■ 94.3845, 90.7336,
205.0424

■ 0.0000, 0.0000,
0.8736

■ 121.0263,

■ 0.0000, 0.0000,

117.1947, 251.0516

0.0000

152.2617,
148.3570, 303.4748

■ 10.5397, 9.1651,
40.2433

■ 10.5397, 9.1651,
40.2433

■ 10.5383, 9.1624,
40.2431

■ 11.5005, 10.7372,
40.4964

■ 12.7552, 12.5954,
40.7889

■ 14.3881, 14.7874,
41.1259

■ 16.4392, 17.3382,
41.5102

■ 18.9427, 20.2693,
41.9440

■ 21.9291, 23.6004,
42.4295

■ 25.4259, 27.3494,
42.9689

■ 29.4585, 31.5329,
43.5638

■ 34.0503, 36.1667,
44.2162

Harmonies

Analogous

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



7.1995, 9.1651, 40.4480



10.5397, 9.1651, 40.2433



14.1363, 9.1651, 29.2102

Triad

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



10.5397, 9.1651, 40.2433



14.0303, 9.1651, 1.7729



3.8578, 9.1651, 6.0449

Complementary

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



10.5397, 9.1651, 40.2433



20.5889, 15.9214, 1.9890

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.



4.8891, 9.1651, 1.8435



10.5397, 9.1651, 40.2433



10.4208, 9.1651, 0.6283

Square

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



10.5397, 9.1651, 40.2433



16.4761, 9.1651, 5.8319



7.1074, 9.1651, 0.6453



3.8742, 9.1651, 15.7358

Rectangle

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



10.5397, 9.1651, 40.2433



15.9532, 9.1651, 19.7144



7.1074, 9.1651, 0.6453



4.0791, 9.1651, 4.1303

Sweetspot

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



10.5401, 9.1653, 40.2436



45.7471, 49.2157, 77.8942



16.5513, 30.2248, 14.3872



9.3604, 10.0774, 16.8395



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



10.5401, 9.1653, 40.2436



18.8992, 16.1841, 72.9335



7.4831, 2.9980, 39.2143



7.8858, 8.3709, 10.1528



7.8967, 6.9273, 29.9654



0.2747, 0.3027, 0.8519

Inverse Universe

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



18.5751, 9.3960, 9.0182



33.5854, 16.9996, 15.7718



31.1439, 37.9552, 5.6856



8.1602, 8.0773, 9.1542



13.8495, 7.0024, 6.8531



0.4130, 0.2059, 0.3368

Previews

White Background



This preview shows how the XYZ color 10.5397, 9.1651, 40.2433 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 10.5397, 9.1651, 40.2433 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 10.5397, 9.1651, 40.2433

Background



This preview shows how black text looks on a background with the XYZ color 10.5397, 9.1651, 40.2433.



This preview shows how white text looks on a background with the XYZ color 10.5397, 9.1651,

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

10.5397, 9.1651, 40.2433

Protanopia

10.7447, 9.1691, 39.7316

Deuteranopia

9.0757, 9.0834, 30.9807



Tritanopia

6.4412, 9.1240, 13.7335

Trichromacy



Original Color

10.5397, 9.1651, 40.2433

Protanomaly

10.5650, 9.0764, 39.7232

Deuteranomaly

9.5858, 9.1588, 34.0635

Tritanomaly

7.5719, 9.0145, 21.4196

Monochromacy



Original Color

10.5397, 9.1651, 40.2433

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

5.9803, 6.3193, 14.5402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.5397, 9.1651, 40.2433 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(0, 83, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 83, 172) }
```

Border

The CSS property to change the border of an element to XYZ 10.5397, 9.1651, 40.2433 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, 172) }
```


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

```
.border{ border-color:rgb(0, 83, 172) }
```

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, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 83, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 83, 172);  
box-shadow:4px 4px 4px 4px rgb(0, 83, 172)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.5397, 9.1651, 40.2433 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, 172) }
```

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

```
.background{ background-color: rgb(0, 83,  
172) }
```

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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