

Converting Colors

XYZ(10.6335, 4.2578, 55.7977)

Have a look what the booklet for
XYZ(10.6335, 4.2578, 55.7977)
contains.

XYZ(10.5802, 4.2364, 55.5184)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**XYZ(10.5802, 4.2364,
55.5184)**

Conversions

Conversions Part 1

Format	Color
Hex	0300C9
RGB	3, 0, 201
RGB Percent	1%, 0%, 79%
CMY	0.9880, 1.0000, 0.2118
CMYK	0.98, 1.00, 0.00, 0.21
HSL	241°, 100%, 39%
HSV	241°, 100%, 79%
XYZ	10.5802, 4.2364, 55.5184
YIQ	23.8110, -62.7330, 63.1470

Conversions

Conversions Part 2

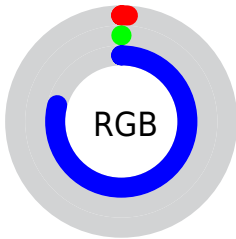
Format	Color
R_YB	3, 0, 201
Decimal	196809
CIE Lab	24.44, 66.22, -90.06
CIE LCh	24, 111.784, 306.327
Yxy	4.2364, 0.1504, 0.0602
Android (android.graphics.Color)	4278386889 (0xFF0300C9)
YUV	23.8110, 87.3542, -18.2512
Hunter-Lab	20.5825, 55.7364, -145.5185

Details

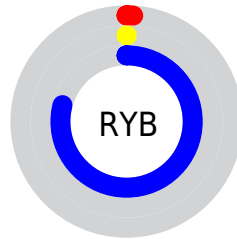
The XYZ color **10.5802, 4.2364, 55.5184** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **44.1627, 53.7727, 8.0515**, and the grayscale version is **0.8157, 0.8582, 0.9346**.

A 20% lighter version of the original color is **25.7714, 13.8392, 95.9207**, and **5.1108, 2.0443, 26.9133** is the 20% darker color. If you saturate the color by 10%, you get **10.5808, 4.2367, 55.5186**, and if you desaturate by 10%, it is **11.1444, 4.9012, 55.6172**.

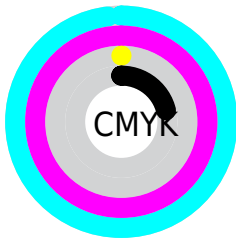
Distribution



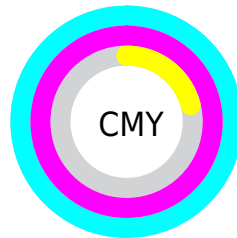
- Red (1%)
- Green (0%)
- Blue (79%)



- Red (1%)
- Yellow (0%)
- Blue (79%)



- Cyan (98%)
- Magenta (100%)
- Yellow (0%)
- Black (21%)



- Cyan (99%)
- Magenta (100%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.5802, 4.2364, 55.5184 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 10.5802, 4.2364, 55.5184 by changing the saturation by 10% instead.

■ 10.5802, 4.2364,
55.5184

■ 10.5802, 4.2364,
55.5184

188.7328,
142.1802, 425.2112

■ 5.8505, 1.8067,
39.4155

■ 26.5211, 14.1435,
99.7788

■ 2.7942, 0.4913,
26.7728

■ 38.4631, 22.3897,
128.7735

■ 1.0459, 0.0000,
17.1717

■ 53.5398, 33.3435,
162.9024

■ 0.0000, 0.0000,
10.1938

■ 72.1167, 47.3892,
202.5843

■ 0.0000, 0.0000,
5.4203

■ 94.5590, 64.9114,
248.2375


■ 0.0000, 0.0000,
2.4329


■ 121.2323, 86.2943,

■ 0.0000, 0.0000,

300.2808

0.8043

 152.5017,
111.9225, 359.1325

 0.0000, 0.0000,
0.0000


 10.5802, 4.2364,
55.5184


 10.5802, 4.2364,
55.5184


 10.5808, 4.2367,
55.5186

 11.1444, 4.9012,
55.6172

 12.2894, 6.2540,
55.8179

 14.1882, 8.5185,
56.1550

 16.9403, 11.8173,
56.6466

 20.6302, 16.2539,
57.3085

■ 25.3320, 21.9192,
58.1542

■ 31.1127, 28.8953,
59.1961

■ 38.0333, 37.2568,
60.4452

■ 46.1504, 47.0728,
61.9121

Harmonies

Analogous

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



4.9421, 4.2364, 80.4714



10.5802, 4.2364, 55.5184



16.1050, 4.2364, 20.4867

Triad

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



10.5802, 4.2364, 55.5184



8.0069, 4.2364, 0.0000



0.0000, 4.2364, 7.5152

Complementary

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



10.5802, 4.2364, 55.5184



44.1627, 53.7727, 8.0515

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.



0.0722, 4.2364, 0.0000



10.5802, 4.2364, 55.5184



3.2318, 4.2364, 0.0000

Square

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



10.5802, 4.2364, 55.5184



14.0482, 4.2364, 0.0000



0.9600, 4.2364, 0.0000



0.3729, 4.2364, 34.1918

Rectangle

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



10.5802, 4.2364, 55.5184



17.7613, 4.2364, 6.1851



0.9600, 4.2364, 0.0000



0.0000, 4.2364, 3.3323

Sweetspot

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



10.5808, 4.2367, 55.5186



52.8134, 48.9227, 101.2672



31.4294, 45.9905, 62.4791



10.3561, 9.3270, 21.5044



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.



10.5808, 4.2367, 55.5186



18.0984, 7.2450, 95.0523



15.8537, 6.9550, 55.7654



10.0713, 10.2950, 13.3738



6.6598, 2.6675, 34.9082



0.3207, 0.1290, 1.6532

Inverse Universe

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



34.2750, 16.4925, 54.7739



58.6735, 28.2334, 93.7336



26.1977, 44.5114, 7.2108



11.0759, 10.8138, 13.3830



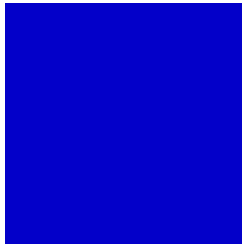
21.5540, 10.3712, 34.4570



1.0229, 0.4920, 1.6435

Previews

White Background



This preview shows how the XYZ color 10.5802, 4.2364, 55.5184 looks on a white background.

Color Contrast Check

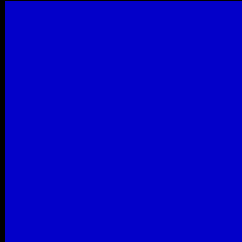
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.5802, 4.2364, 55.5184 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 10.5802, 4.2364, 55.5184

Background



This preview shows how black text looks on a background with the XYZ color 10.5802, 4.2364, 55.5184.



This preview shows how white text looks on a background with the XYZ color 10.5802, 4.2364,

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

10.5802, 4.2364, 55.5184

Deuteranopia

4.2762, 4.5545, 13.7504

Tritanopia

3.2045, 4.5892, 6.6781

Trichromacy



Original Color

10.5802, 4.2364, 55.5184

Deuteranomaly

5.4315, 3.3881, 24.7938

Tritanomaly

4.1464, 3.0422, 17.5082

Monochromacy



Original Color

10.5802, 4.2364, 55.5184

Achromatopsia

0.8682, 0.9134, 0.9947

Achromatomaly

2.1460, 1.1564, 9.3426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.5802, 4.2364, 55.5184 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(3, 0, 201)` looks like.

```
.text, #text, p{  
    color:rgb(3, 0, 201)  
}
```

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(3, 0, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 0, 201) }
```

Border

The CSS property to change the border of an element to XYZ 10.5802, 4.2364, 55.5184 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(3, 0, 201) }
```

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

```
.border{ border-color:rgb(3, 0, 201) }
```

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

Here you see how a box with a 4 pixel rgb(3, 0, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 0, 201); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 0, 201); box-shadow:4px  
4px 4px 4px rgb(3, 0, 201) }
```


Background

The CSS property to change the background color of an element to XYZ 10.5802, 4.2364, 55.5184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 0, 201) }
```

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

```
.background{ background-color: rgb(3, 0,  
201) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor