

Converting Colors

XYZ(14.9096, 5.3376, 71.7815)

Have a look what the booklet for
XYZ(14.9096, 5.3376, 71.7815)
contains.

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Color

**XYZ(15.3942, 6.3660,
71.6516)**

Conversions

Conversions Part 1

Format	Color
Hex	3B00E1
RGB	59, 0, 225
RGB Percent	23%, 0%, 88%
CMY	0.7686, 1.0000, 0.1176
CMYK	0.74, 1.00, 0.00, 0.12
HSL	256°, 100%, 44%
HSV	256°, 100%, 88%
XYZ	15.3942, 6.3660, 71.6516
YIQ	43.2910, -37.0610, 82.4830

Conversions

Conversions Part 2

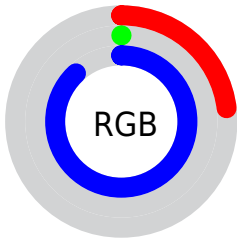
Format	Color
R _Y B	59, 0, 225
Decimal	3866849
CIE Lab	30.32, 72.90, -94.10
CIE LCh	30, 119.039, 307.765
Yxy	6.3660, 0.1648, 0.0681
Android (android.graphics.Color)	4282056929 (0xFF3B00E1)
YUV	43.2910, 89.5825, 13.7768
Hunter-Lab	25.2309, 64.7544, -150.7120

Details

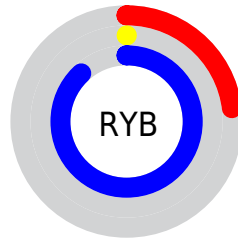
The XYZ color **15.3942, 6.3660, 71.6516** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **42.6489, 61.9565, 9.7110**, and the grayscale version is **2.2437, 2.3606, 2.5707**.

A 20% lighter version of the original color is **29.9130, 16.5869, 96.2327**, and **7.0679, 2.8272, 37.2190** is the 20% darker color. If you saturate the color by 10%, you get **15.3950, 6.3664, 71.6519**, and if you desaturate by 10%, it is **16.8368, 7.5500, 71.8043**.

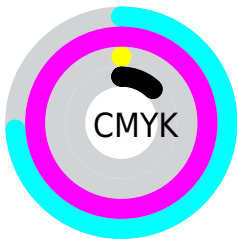
Distribution



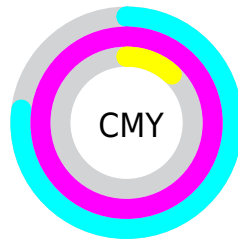
- Red (23%)
- Green (0%)
- Blue (88%)



- Red (23%)
- Yellow (0%)
- Blue (88%)



- Cyan (74%)
- Magenta (100%)
- Yellow (0%)
- Black (12%)



- Cyan (77%)
- Magenta (100%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3942, 6.3660, 71.6516 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 15.3942, 6.3660, 71.6516 by changing the saturation by 10% instead.

■ 15.3942, 6.3660,
71.6516

■ 15.3942, 6.3660,
71.6516

219.0813,
162.2866, 485.2729

■ 9.1846, 3.0689,
52.3890

■ 35.1093, 18.6859,
123.2642

■ 4.9199, 1.1678,
36.9309

■ 49.3455, 28.4775,
156.4513

■ 2.2346, 0.0352,
24.8586

■ 66.9879, 41.2027,
195.1169

■ 0.7609, 0.0000,
15.7537

■ 88.4020, 57.2459,
239.6797

■ 0.0000, 0.0000,
9.1976

■ 113.9530, 76.9915,
290.5582


■ 0.0000, 0.0000,
4.7717


■ 144.0063,

■ 0.0000, 0.0000,

100.8239, 348.1708

2.0576


 178.9273,
129.1274, 412.9362

 0.0000, 0.0000,
0.5903


 0.0000, 0.0000,
0.0000


 15.3942, 6.3660,
71.6516


 15.3942, 6.3660,
71.6516

 15.3950, 6.3664,
71.6519

 16.8368, 7.5500,
71.8043

 18.9636, 9.5991,
72.0878

 21.9108, 12.7494,
72.5405

 25.7638, 17.1393,
73.1848

■ 30.5965, 22.8866,
74.0394

■ 36.4745, 30.0949,
75.1209

■ 43.4574, 38.8574,
76.4442

■ 51.6003, 49.2596,
78.0229

■ 60.9543, 61.3807,
79.8695

Harmonies

Analogous

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



7.6341, 6.3660, 105.3372



15.3942, 6.3660, 71.6516



22.6156, 6.3660, 26.5204

Triad

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



15.3942, 6.3660, 71.6516



11.1397, 6.3660, 0.0000



0.3108, 6.3660, 12.0199

Complementary

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



15.3942, 6.3660, 71.6516



42.6489, 61.9565, 9.7110

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.



0.5003, 6.3660, 0.5053



15.3942, 6.3660, 71.6516



4.7029, 6.3660, 0.0000

Square

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



15.3942, 6.3660, 71.6516



19.2732, 6.3660, 0.0000



1.5481, 6.3660, 0.0000



0.8939, 6.3660, 48.5184

Rectangle

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



15.3942, 6.3660, 71.6516



24.5888, 6.3660, 8.2117



1.5481, 6.3660, 0.0000



0.2864, 6.3660, 5.7918

Sweetspot

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



15.3950, 6.3664, 71.6519



57.5077, 51.3427, 101.4869



27.7322, 33.7194, 76.2813



11.4297, 9.8804, 21.5546



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.



15.3950, 6.3664, 71.6519



20.3565, 8.4090, 95.1579



29.8993, 13.8437, 72.3307



13.2875, 13.4162, 17.2769



8.9649, 3.7169, 41.2933



0.7045, 0.3005, 2.8661

Inverse Universe

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



37.9334, 18.7604, 37.6929



50.3301, 24.8960, 49.7978



28.5702, 54.6986, 9.0521



14.1335, 13.8710, 16.4732



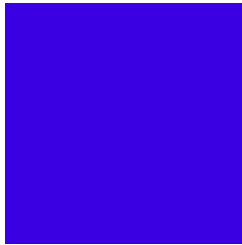
21.9093, 10.8307, 21.9857



1.5548, 0.7652, 1.7143

Previews

White Background



This preview shows how the XYZ color 15.3942, 6.3660, 71.6516 looks on a white background.

Color Contrast Check

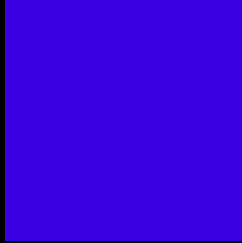
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3942, 6.3660, 71.6516 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 15.3942, 6.3660, 71.6516

Background



This preview shows how black text looks on a background with the XYZ color 15.3942, 6.3660, 71.6516.



This preview shows how white text looks on a background with the XYZ color 15.3942, 6.3660,

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

15.3942, 6.3660, 71.6516

Protanopia

7.5355, 6.5184, 28.8780

Deuteranopia

6.2177, 6.5128, 20.3314



Tritanopia

4.5821, 6.5407, 9.6153

Trichromacy



Original Color

15.3942, 6.3660, 71.6516

Protanomaly

9.0841, 5.1708, 41.5936

Deuteranomaly

7.7992, 4.8465, 34.2426

Tritanomaly

5.9812, 4.3930, 23.8252

Monochromacy



Original Color

15.3942, 6.3660, 71.6516

Achromatopsia

2.2962, 2.4158, 2.6308

Achromatomaly

4.4189, 2.5410, 14.7256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3942, 6.3660, 71.6516 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(59, 0, 225)` looks like.

```
.text, #text, p{  
    color:rgb(59, 0, 225)  
}
```

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(59, 0, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 0, 225) }
```

Border

The CSS property to change the border of an element to XYZ 15.3942, 6.3660, 71.6516 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(59, 0, 225) }
```


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

```
.border{ border-color:rgb(59, 0, 225) }
```

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

Here you see how a box with a 4 pixel rgb(59, 0, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 0, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 0, 225);  
box-shadow:4px 4px 4px 4px rgb(59, 0, 225)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.3942, 6.3660, 71.6516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 0, 225) }
```

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

```
.background{ background-color: rgb(59, 0,  
225) }
```

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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