

Converting Colors

XYZ(15.5772, 6.4604, 71.6601)

Have a look what the booklet for
XYZ(15.5772, 6.4604, 71.6601)
contains.

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Color

**XYZ(15.5772, 6.4604,
71.6601)**

Conversions

Conversions Part 1

Format	Color
Hex	3E00E1
RGB	62, 0, 225
RGB Percent	24%, 0%, 88%
CMY	0.7568, 1.0000, 0.1176
CMYK	0.72, 1.00, 0.00, 0.12
HSL	257°, 100%, 44%
HSV	257°, 100%, 88%
XYZ	15.5772, 6.4604, 71.6601
YIQ	44.1880, -35.2730, 83.1190

Conversions

Conversions Part 2

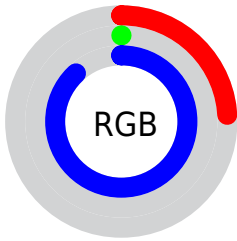
Format	Color
RYB	62, 0, 225
Decimal	4063457
CIELab	30.55, 73.00, -93.72
CIELCh	31, 118.791, 307.915
Yxy	6.4604, 0.1662, 0.0689
Android (android.graphics.Color)	4282253537 (0xFF3E00E1)
YUV	44.1880, 89.1403, 15.6211
Hunter-Lab	25.4173, 64.9148, -149.3666

Details

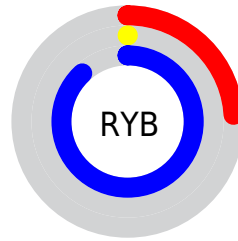
The XYZ color **15.5772, 6.4604, 71.6601** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **42.0274, 61.6360, 9.6819**, and the grayscale version is **2.3305, 2.4518, 2.6700**.

A 20% lighter version of the original color is **30.2318, 16.7512, 96.2477**, and **7.0679, 2.8272, 37.2190** is the 20% darker color. If you saturate the color by 10%, you get **15.5779, 6.4607, 71.6604**, and if you desaturate by 10%, it is **17.0545, 7.6622, 71.8145**.

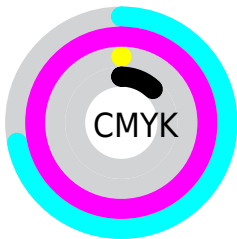
Distribution



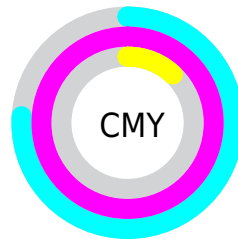
- Red (24%)
- Green (0%)
- Blue (88%)



- Red (24%)
- Yellow (0%)
- Blue (88%)



- Cyan (72%)
- Magenta (100%)
- Yellow (0%)
- Black (12%)



- Cyan (76%)
- Magenta (100%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5772, 6.4604, 71.6601 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 15.5772, 6.4604, 71.6601 by changing the saturation by 10% instead.

■ 15.5772, 6.4604,
71.6601

■ 15.5772, 6.4604,
71.6601

220.1535,
163.1016, 485.3034

■ 9.3144, 3.1270,
52.3959

■ 35.4260, 18.8791,
123.2764

■ 5.0056, 1.1984,
36.9363

■ 49.7428, 28.7333,
156.4656

■ 2.2853, 0.0604,
24.8628

■ 67.4749, 41.5298,
195.1335

■ 0.7871, 0.0000,
15.7568

■ 88.9878, 57.6530,
239.6987

■ 0.0000, 0.0000,
9.1997

■ 114.6467, 77.4875,
290.5798

■ 0.0000, 0.0000,
4.7731


■ 144.8171,


■ 0.0000, 0.0000,


101.4174, 348.1952


2.0584

 179.8642,
129.8274, 412.9636


 0.0000, 0.0000,
0.5908


 0.0000, 0.0000,
0.0000


 15.5772, 6.4604,
71.6601


 15.5772, 6.4604,
71.6601

 15.5779, 6.4607,
71.6604

 17.0545, 7.6622,
71.8145

 19.2078, 9.7250,
72.0991

 22.1716, 12.8838,
72.5526

 26.0300, 17.2765,
73.1972

■ 30.8556, 23.0201,
74.0514

■ 36.7128, 30.2177,
75.1320

■ 43.6603, 38.9620,
76.4536

■ 51.7522, 49.3379,
78.0299

■ 61.0388, 61.4243,
79.8734

Harmonies

Analogous

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



7.7682, 6.4604, 105.5058



15.5772, 6.4604, 71.6601



22.8067, 6.4604, 26.5279

Triad

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



15.5772, 6.4604, 71.6601



11.2220, 6.4604, 0.0000



0.3418, 6.4604, 12.2723

Complementary

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



15.5772, 6.4604, 71.6601



42.0274, 61.6360, 9.6819

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.



0.5270, 6.4604, 0.5594



15.5772, 6.4604, 71.6601



4.7576, 6.4604, 0.0000

Square

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



15.5772, 6.4604, 71.6601



19.3908, 6.4604, 0.0000



1.5809, 6.4604, 0.0000



0.9291, 6.4604, 48.9834

Rectangle

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



15.5772, 6.4604, 71.6601



24.7621, 6.4604, 8.2330



1.5809, 6.4604, 0.0000



0.3161, 6.4604, 5.9580

Sweetspot

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



15.5779, 6.4607, 71.6604



57.7784, 51.4822, 101.4996



27.0458, 32.3466, 76.0524



11.4925, 9.9127, 21.5576



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.



15.5779, 6.4607, 71.6604



20.5959, 8.5325, 95.1691



30.7139, 14.2636, 72.3687



13.3048, 13.4252, 17.2778



9.0738, 3.7730, 41.2984



0.7141, 0.3054, 2.8666

Inverse Universe

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



37.6614, 18.6516, 36.2606



49.9675, 24.7510, 47.8886



28.3673, 54.5940, 9.0426



14.1254, 13.8678, 16.4307



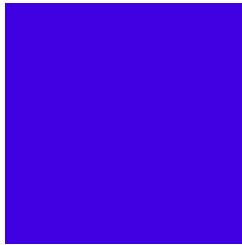
21.7539, 10.7685, 21.1674



1.5451, 0.7613, 1.6632

Previews

White Background



This preview shows how the XYZ color 15.5772, 6.4604, 71.6601 looks on a white background.

Color Contrast Check

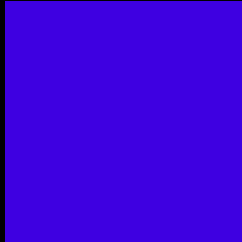
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5772, 6.4604, 71.6601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

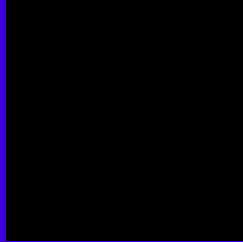
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.5772, 6.4604, 71.6601

Background



This preview shows how black text looks on a background with the XYZ color 15.5772, 6.4604, 71.6601.



This preview shows how white text looks on a background with the XYZ color 15.5772, 6.4604,

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

15.5772, 6.4604, 71.6601

Protanopia

7.6781, 6.6764, 29.3178

Deuteranopia

6.3503, 6.6752, 20.6924



Tritanopia

4.6970, 6.7065, 9.8510

Trichromacy



Original Color

15.5772, 6.4604, 71.6601

Protanomaly

9.2275, 5.2333, 42.1187

Deuteranomaly

7.9319, 4.9047, 34.7111

Tritanomaly

6.0967, 4.4443, 24.2034

Monochromacy



Original Color

15.5772, 6.4604, 71.6601

Achromatopsia

2.3940, 2.5187, 2.7428

Achromatomaly

4.5950, 2.6601, 15.0231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5772, 6.4604, 71.6601 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(62, 0, 225)` looks like.

```
.text, #text, p{  
    color:rgb(62, 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(62, 0, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 0, 225) }
```

Border

The CSS property to change the border of an element to XYZ 15.5772, 6.4604, 71.6601 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(62, 0, 225) }
```


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

```
.border{ border-color:rgb(62, 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(62, 0, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 0, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 0, 225);  
box-shadow:4px 4px 4px 4px rgb(62, 0, 225)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.5772, 6.4604, 71.6601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 0, 225) }
```

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

```
.background{ background-color: rgb(62, 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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