

Converting Colors

XYZ(15.5953, 6.4791, 71.2344)

Have a look what the booklet for
XYZ(15.5953, 6.4791, 71.2344)
contains.

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Color

**XYZ(15.5689, 6.4718,
70.9496)**

Conversions

Conversions Part 1

Format	Color
Hex	4000E0
RGB	64, 0, 224
RGB Percent	25%, 0%, 88%
CMY	0.7490, 1.0000, 0.1216
CMYK	0.71, 1.00, 0.00, 0.12
HSL	257°, 100%, 44%
HSV	257°, 100%, 88%
XYZ	15.5689, 6.4718, 70.9496
YIQ	44.6720, -33.7600, 83.2320

Conversions

Conversions Part 2

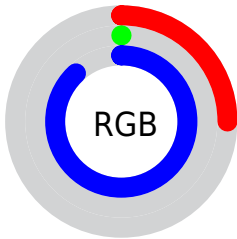
Format	Color
RYB	64, 0, 224
Decimal	4194528
CIELab	30.57, 72.83, -93.09
CIELCh	31, 118.197, 308.037
Yxy	6.4718, 0.1674, 0.0696
Android (android.graphics.Color)	4282384608 (0xFF4000E0)
YUV	44.6720, 88.4087, 16.9507
Hunter-Lab	25.4397, 64.7209, -147.5478

Details

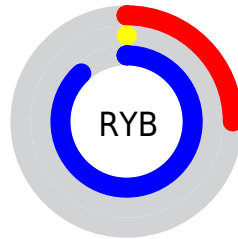
The XYZ color **15.5689, 6.4718, 70.9496** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **41.1508, 60.7840, 9.5636**, and the grayscale version is **2.3785, 2.5024, 2.7251**.

A 20% lighter version of the original color is **30.4566, 16.9607, 96.2762**, and **6.9751, 2.7900, 36.7301** is the 20% darker color. If you saturate the color by 10%, you get **15.5696, 6.4722, 70.9499**, and if you desaturate by 10%, it is **17.0583, 7.6770, 71.1040**.

Distribution



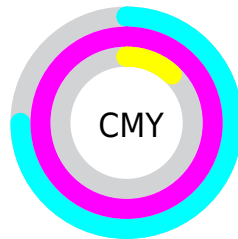
- Red (25%)
- Green (0%)
- Blue (88%)



- Red (25%)
- Yellow (0%)
- Blue (88%)



- Cyan (71%)
- Magenta (100%)
- Yellow (0%)
- Black (12%)



- Cyan (75%)
- Magenta (100%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5689, 6.4718, 70.9496 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 15.5689, 6.4718, 70.9496 by changing the saturation by 10% instead.

■ 15.5689, 6.4718,
70.9496

■ 15.5689, 6.4718,
70.9496

220.1050,
163.1997, 482.7561

■ 9.3085, 3.1340,
51.8195

■ 35.4117, 18.9024,
122.2557

■ 5.0017, 1.2021,
36.4800

■ 49.7248, 28.7641,
155.2689

■ 2.2830, 0.0634,
24.5125

■ 67.4529, 41.5692,
193.7467

■ 0.7860, 0.0000,
15.4985

■ 88.9613, 57.7021,
238.1079

■ 0.0000, 0.0000,
9.0195

■ 114.6153, 77.5472,
288.7708


■ 0.0000, 0.0000,
4.6569


■ 144.7804,


■ 0.0000, 0.0000,


101.4889, 346.1542

1.9922


 179.8218,
129.9116, 410.6764

 0.0000, 0.0000,
0.5505


 0.0000, 0.0000,
0.0000


 15.5689, 6.4718,
70.9496


 15.5689, 6.4718,
70.9496

 15.5696, 6.4722,
70.9499

 17.0583, 7.6770,
71.1040

 19.2102, 9.7307,
71.3870

 22.1567, 12.8652,
71.8367

 25.9802, 17.2166,
72.4751

■ 30.7514, 22.9000,
73.3206

■ 36.5332, 30.0169,
74.3896

■ 43.3831, 38.6587,
75.6966

■ 51.3537, 48.9092,
77.2550

■ 60.4943, 60.8457,
79.0772

Harmonies

Analogous

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



7.7989, 6.4718, 104.5864



15.5689, 6.4718, 70.9496



22.7323, 6.4718, 26.2676

Triad

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



15.5689, 6.4718, 70.9496



11.1755, 6.4718, 0.0000



0.3599, 6.4718, 12.3544

Complementary

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



15.5689, 6.4718, 70.9496



41.1508, 60.7840, 9.5636

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.



0.5410, 6.4718, 0.5947



15.5689, 6.4718, 70.9496



4.7537, 6.4718, 0.0000

Square

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



15.5689, 6.4718, 70.9496



19.2909, 6.4718, 0.0000



1.5915, 6.4718, 0.0000



0.9486, 6.4718, 48.8690

Rectangle

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



15.5689, 6.4718, 70.9496



24.6536, 6.4718, 8.1670



1.5915, 6.4718, 0.0000



0.3333, 6.4718, 6.0338

Sweetspot

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



15.5696, 6.4722, 70.9499



57.9860, 51.5892, 101.5093



26.1181, 30.7088, 75.0721



11.5406, 9.9375, 21.5598



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.



15.5696, 6.4722, 70.9499



20.7878, 8.6314, 95.1781



31.2388, 14.5499, 71.6832



13.3181, 13.4320, 17.2784



9.1608, 3.8179, 41.3025



0.7215, 0.3093, 2.8669

Inverse Universe

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



37.0848, 18.3850, 34.8470



49.6970, 24.6428, 46.4640



27.9000, 53.9529, 8.9435



14.1193, 13.8653, 16.3983



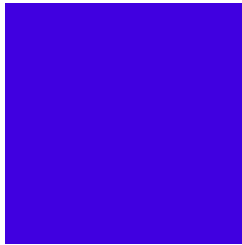
21.6378, 10.7221, 20.5564



1.5378, 0.7584, 1.6249

Previews

White Background



This preview shows how the XYZ color 15.5689, 6.4718, 70.9496 looks on a white background.

Color Contrast Check

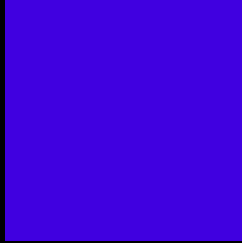
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5689, 6.4718, 70.9496 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 15.5689, 6.4718, 70.9496

Background



This preview shows how black text looks on a background with the XYZ color 15.5689, 6.4718, 70.9496.



This preview shows how white text looks on a background with the XYZ color 15.5689, 6.4718,

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

15.5689, 6.4718, 70.9496

Protanopia

7.6781, 6.6764, 29.3178

Deuteranopia

6.3503, 6.6752, 20.6924



Tritanopia

4.6970, 6.7065, 9.8510

Trichromacy



Original Color

15.5689, 6.4718, 70.9496

Protanomaly

9.1282, 5.1935, 41.5956

Deuteranomaly

7.9319, 4.9047, 34.7111

Tritanomaly

6.0253, 4.4157, 23.8273

Monochromacy



Original Color

15.5689, 6.4718, 70.9496

Achromatopsia

2.4942, 2.6241, 2.8577

Achromatomaly

4.6700, 2.7346, 15.0335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5689, 6.4718, 70.9496 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(64, 0, 224)` looks like.

```
.text, #text, p{  
    color:rgb(64, 0, 224)  
}
```

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(64, 0, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 0, 224) }
```

Border

The CSS property to change the border of an element to XYZ 15.5689, 6.4718, 70.9496 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(64, 0, 224) }
```


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

```
.border{ border-color:rgb(64, 0, 224) }
```

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

Here you see how a box with a 4 pixel rgb(64, 0, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 0, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 0, 224);  
box-shadow:4px 4px 4px 4px rgb(64, 0, 224)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.5689, 6.4718, 70.9496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 0, 224) }
```

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

```
.background{ background-color: rgb(64, 0,  
224) }
```

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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