

Converting Colors

XYZ(15.0800, 7.4555, 70.4573)

Have a look what the booklet for
XYZ(15.0800, 7.4555, 70.4573)
contains.

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Color

**XYZ(15.1021, 7.4759,
70.4591)**

Conversions

Conversions Part 1

Format	Color
Hex	2A2ADF
RGB	42, 42, 223
RGB Percent	16%, 16%, 87%
CMY	0.8352, 0.8353, 0.1255
CMYK	0.81, 0.81, 0.00, 0.13
HSL	240°, 74%, 52%
HSV	240°, 81%, 87%
XYZ	15.1021, 7.4759, 70.4591
YIQ	62.6340, -58.1010, 56.2910

Conversions

Conversions Part 2

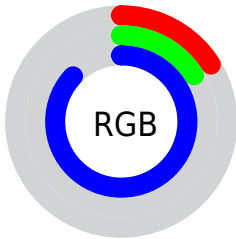
Format	Color
RYB	42, 42, 223
Decimal	2763487
CIELab	32.87, 60.18, -88.74
CIELCh	33, 107.220, 304.145
Yxy	7.4759, 0.1623, 0.0804
Android (android.graphics.Color)	4280953567 (0xFF2A2ADF)
YUV	62.6340, 79.0604, -18.0960
Hunter-Lab	27.3421, 50.7438, -133.6477

Details

The XYZ color **15.1021, 7.4759, 70.4591** 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 **57.2307, 68.6274, 12.4201**, and the grayscale version is **4.5661, 4.8039, 5.2315**.

A 20% lighter version of the original color is **29.9032, 19.0119, 96.7013**, and **6.8829, 2.7532, 36.2450** is the 20% darker color. If you saturate the color by 10%, you get **13.8470, 5.9632, 70.2335**, and if you desaturate by 10%, it is **17.3043, 10.1285, 70.8553**.

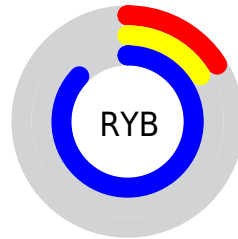
Distribution



Red (16%)

Green (16%)

Blue (87%)



Red (16%)

Yellow (16%)

Blue (87%)

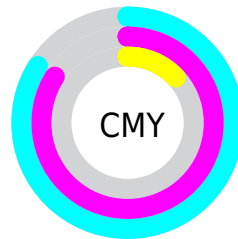


Cyan (81%)

Magenta (81%)

Yellow (0%)

Black (13%)



Cyan (84%)

Magenta (84%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1021, 7.4759, 70.4591 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 15.1021, 7.4759, 70.4591 by changing the saturation by 10% instead.

■ 15.1021, 7.4759,
70.4591

■ 15.1021, 7.4759,
70.4591

217.3595,
171.5615, 480.9930

■ 8.9779, 3.7615,
51.4218

■ 34.6024, 20.9244,
121.5505

■ 4.7837, 1.5410,
36.1653

■ 48.7091, 31.4272,
154.4416

■ 2.1544, 0.3174,
24.2712

■ 66.2074, 44.9617,
192.7878

■ 0.7185, 0.0000,
15.3209

■ 87.4626, 61.9121,
237.0075

■ 0.0000, 0.0000,
8.8958

■ 112.8401, 82.6629,
287.5194

■ 0.0000, 0.0000,
4.5774

■ 142.7051,

■ 0.0000, 0.0000,

107.5984, 344.7419

1.9471

177.4232,
137.1032, 409.0935

■ 0.0000, 0.0000,
0.5225

■ 0.0000, 0.0000,
0.0000

■ 15.1021, 7.4759,
70.4591

■ 15.1021, 7.4759,
70.4591

■ 13.8470, 5.9632,
70.2335

■ 17.3043, 10.1285,
70.8553

■ 13.3197, 5.3279,
70.1387

■ 20.5892, 14.0865,
71.4461

■ 25.0724, 19.4883,
72.2525

■ 30.8541, 26.4548,
73.2925

■ 38.0242, 35.0944,
74.5822

■ 46.6644, 45.5055,
76.1363

■ 56.8502, 57.7791,
77.9685

■ 68.6520, 71.9999,
80.0914

■ 82.1357, 88.2475,
82.5168

Harmonies

Analogous

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



7.9191, 7.4759, 95.1223



15.1021, 7.4759, 70.4591



22.0267, 7.4759, 30.6054

Triad

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



15.1021, 7.4759, 70.4591



12.9660, 7.4759, 0.0000



0.8478, 7.4759, 10.5990

Complementary

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



15.1021, 7.4759, 70.4591



57.2307, 68.6274, 12.4201

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.



1.1308, 7.4759, 0.6927



15.1021, 7.4759, 70.4591



6.3498, 7.4759, 0.0000

Square

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



15.1021, 7.4759, 70.4591



20.4010, 7.4759, 0.0000



2.5895, 7.4759, 0.0000



1.3771, 7.4759, 41.0088

Rectangle

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



15.1021, 7.4759, 70.4591



24.2889, 7.4759, 11.7397



2.5895, 7.4759, 0.0000



0.8546, 7.4759, 5.3634

Sweetspot

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



15.1027, 7.4760, 70.4594



59.4960, 57.1584, 102.5046



40.6618, 58.5955, 78.9793



11.8322, 11.1469, 21.7779



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.



15.1027, 7.4760, 70.4594



18.2292, 7.4356, 95.0822



23.7410, 11.9292, 70.8636



12.9523, 13.2434, 17.2613



7.8318, 3.1327, 41.2403



0.5429, 0.2172, 2.8585

Inverse Universe

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



44.5759, 22.6703, 71.8239



59.3684, 28.6442, 96.9833



36.3994, 57.8885, 11.4452



14.2950, 13.9356, 17.3237



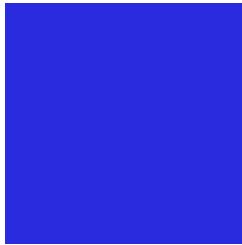
25.7227, 12.3561, 42.0670



1.7830, 0.8565, 2.9160

Previews

White Background



This preview shows how the XYZ color 15.1021, 7.4759, 70.4591 looks on a white background.

Color Contrast Check

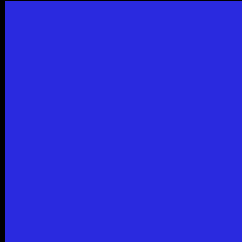
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.1021, 7.4759, 70.4591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

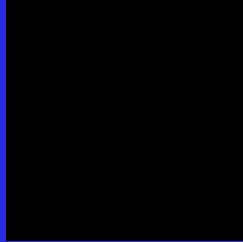
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.1021, 7.4759, 70.4591

Background



This preview shows how black text looks on a background with the XYZ color 15.1021, 7.4759, 70.4591.



This preview shows how white text looks on a background with the XYZ color 15.1021, 7.4759,

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

15.1021, 7.4759, 70.4591

Protanopia

8.4495, 7.2979, 32.4158

Deuteranopia

6.9608, 7.2579, 22.8638



Tritanopia

5.0940, 7.2352, 10.8009

Trichromacy



Original Color

15.1021, 7.4759, 70.4591

Protanomaly

10.1578, 6.8421, 43.9653

Deuteranomaly

8.9367, 6.7146, 36.4223

Tritanomaly

6.9126, 6.1928, 24.8758

Monochromacy



Original Color

15.1021, 7.4759, 70.4591

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

6.3929, 4.9251, 18.7029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1021, 7.4759, 70.4591 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(42, 42, 223)` looks like.

```
.text, #text, p{  
  color:rgb(42, 42, 223)  
}
```

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(42, 42, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 42, 223) }
```

Border

The CSS property to change the border of an element to XYZ 15.1021, 7.4759, 70.4591 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(42, 42, 223) }
```


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

```
.border{ border-color:rgb(42, 42, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 42, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 42, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 42, 223);  
box-shadow:4px 4px 4px 4px rgb(42, 42,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1021, 7.4759, 70.4591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 42, 223) }
```

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

```
.background{ background-color: rgb(42, 42,  
223) }
```

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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