

Converting Colors

XYZ(21.4209, 9.4420, 73.3303)

Have a look what the booklet for
XYZ(21.4209, 9.4420, 73.3303)
contains.

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Color

**XYZ(21.4729, 9.4680,
73.3688)**

Conversions

Conversions Part 1

Format	Color
Hex	7700E3
RGB	119, 0, 227
RGB Percent	47%, 0%, 89%
CMY	0.5333, 1.0000, 0.1098
CMYK	0.48, 1.00, 0.00, 0.11
HSL	271°, 100%, 45%
HSV	271°, 100%, 89%
XYZ	21.4729, 9.4680, 73.3688
YIQ	61.4590, -1.9430, 95.8250

Conversions

Conversions Part 2

Format	Color
R_{YB}	119, 0, 227
Decimal	7799011
CIE _{Lab}	36.87, 76.63, -84.18
CIE _{LCh}	37, 113.842, 312.312
Yxy	9.4680, 0.2059, 0.0908
Android (android.graphics.Color)	4285989091 (0xFF7700E3)
YUV	61.4590, 81.6117, 50.4635
Hunter-Lab	30.7701, 70.7184, -119.8330

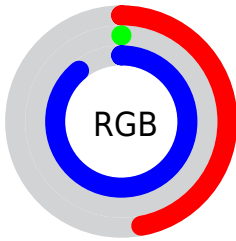
Details

The XYZ color **21.4729, 9.4680, 73.3688** is a dark color, and the websafe version is hex **6600CC**.

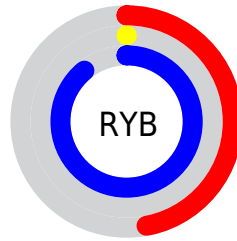
The color can be described as dark washed purple. A complement of this color would be **33.6530, 58.1262, 9.4458**, and the grayscale version is **4.3891, 4.6176, 5.0286**.

A 20% lighter version of the original color is **39.9020, 22.6357, 96.8738**, and **8.5711, 3.5804, 38.2695** is the 20% darker color. If you saturate the color by 10%, you get **21.4736, 9.4684, 73.3691**, and if you desaturate by 10%, it is **23.3416, 10.8774, 73.5426**.

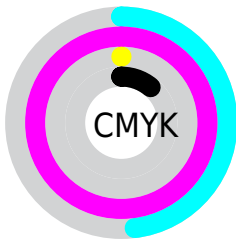
Distribution



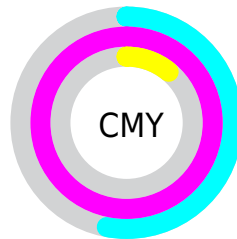
- Red (47%)
- Green (0%)
- Blue (89%)



- Red (47%)
- Yellow (0%)
- Blue (89%)



- Cyan (48%)
- Magenta (100%)
- Yellow (0%)
- Black (11%)



- Cyan (53%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4729, 9.4680, 73.3688 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 21.4729, 9.4680, 73.3688 by changing the saturation by 10% instead.

■ 21.4729, 9.4680,
73.3688

■ 21.4729, 9.4680,
73.3688

252.4656,
186.8318, 491.3970

■ 13.5845, 5.0477,
53.7839

■ 45.3586, 24.7899,
125.7264

■ 7.9120, 2.2753,
38.0369

■ 62.0867, 36.4603,
159.3362

■ 4.0900, 0.7606,
25.7093

■ 82.4921, 51.3162,
198.4580

■ 1.7532, 0.0000,
16.3825

■ 106.9401, 69.7420,
243.5105

■ 0.4892, 0.0000,
9.6379

■ 135.7961, 92.1221,
294.9121

■ 0.0000, 0.0000,
5.0571

■ 169.4254,

■ 0.0000, 0.0000,

118.8408, 353.0813

2.2215

208.1934,
150.2825, 418.4368

0.0000, 0.0000,
0.6867

0.0000, 0.0000,
0.0000

21.4729, 9.4680,
73.3688

21.4729, 9.4680,
73.3688

21.4736, 9.4684,
73.3691

23.3416, 10.8774,
73.5426

25.7362, 13.0816,
73.8419

28.7759, 16.3104,
74.3049

32.5308, 20.6968,
74.9536

■ 37.0604, 26.3528,
75.8066

■ 42.4174, 33.3768,
76.8800

■ 48.6491, 41.8572,
78.1885

■ 55.7991, 51.8748,
79.7452

■ 63.9078, 63.5042,
81.5625

Harmonies

Analogous

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



12.1921, 9.4680, 112.8142



21.4729, 9.4680, 73.3688



28.9332, 9.4680, 27.0601

Triad

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



21.4729, 9.4680, 73.3688



13.7500, 9.4680, 0.0000



1.2074, 9.4680, 20.9333

Complementary

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



21.4729, 9.4680, 73.3688



33.6530, 58.1262, 9.4458

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.



1.2953, 9.4680, 2.4636



21.4729, 9.4680, 73.3688



6.4187, 9.4680, 0.0000

Square

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



21.4729, 9.4680, 73.3688



23.1098, 9.4680, 0.0000



2.6312, 9.4680, 0.0000



2.2565, 9.4680, 64.2940

Rectangle

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



21.4729, 9.4680, 73.3688



30.3197, 9.4680, 8.8279



2.6312, 9.4680, 0.0000



1.1307, 9.4680, 11.9472

Sweetspot

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



21.4736, 9.4684, 73.3691



63.1648, 54.2590, 101.7516



19.4106, 16.6369, 74.8615



12.7546, 10.5634, 21.6166



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.



21.4736, 9.4684, 73.3691



27.8312, 12.2624, 95.5078



45.0272, 21.6704, 71.7751



14.3003, 14.2570, 18.1425



12.6592, 5.5919, 42.7953



1.0426, 0.4685, 3.1674

Inverse Universe

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



34.3852, 17.4136, 15.7349



44.7106, 22.6482, 20.2060



27.4899, 54.9467, 9.2655



14.6611, 14.4816, 16.4156



20.1116, 10.1789, 9.4827



1.5329, 0.7709, 0.9466

Previews

White Background



This preview shows how the XYZ color 21.4729, 9.4680, 73.3688 looks on a white background.

Color Contrast Check

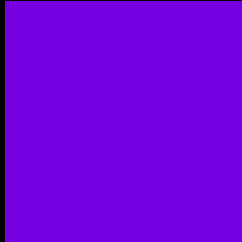
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4729, 9.4680, 73.3688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

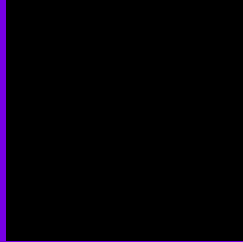
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.4729, 9.4680, 73.3688

Background



This preview shows how black text looks on a background with the XYZ color 21.4729, 9.4680, 73.3688.



This preview shows how white text looks on a background with the XYZ color 21.4729, 9.4680,

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

21.4729, 9.4680, 73.3688

Protanopia

11.4867, 9.7923, 44.4647

Deuteranopia

9.5738, 9.8153, 31.9618



Tritanopia

9.3016, 9.7370, 12.2156

Trichromacy



Original Color

21.4729, 9.4680, 73.3688

Protanomaly

12.3935, 7.1831, 53.5566

Deuteranomaly

10.8498, 6.8759, 44.4714

Tritanomaly

11.3019, 7.3529, 26.8102

Monochromacy



Original Color

21.4729, 9.4680, 73.3688

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.6564, 4.6254, 18.5784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4729, 9.4680, 73.3688 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(119, 0, 227)` looks like.

```
.text, #text, p{  
    color:rgb(119, 0, 227)  
}
```

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(119, 0, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 0, 227) }
```

Border

The CSS property to change the border of an element to XYZ 21.4729, 9.4680, 73.3688 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(119, 0, 227) }
```


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

```
.border{ border-color:rgb(119, 0, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 0, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 0, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 0, 227);  
box-shadow:4px 4px 4px 4px rgb(119, 0,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4729, 9.4680, 73.3688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 0, 227) }
```

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

```
.background{ background-color: rgb(119, 0,  
227) }
```

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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