

Converting Colors

XYZ(21.6195, 15.2687, 73.7531)

Have a look what the booklet for
XYZ(21.6195, 15.2687, 73.7531)
contains.

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Color

**XYZ(21.5791, 15.2200,
73.7519)**

Conversions

Conversions Part 1

Format	Color
Hex	585CE2
RGB	88, 92, 226
RGB Percent	35%, 36%, 89%
CMY	0.6549, 0.6392, 0.1137
CMYK	0.61, 0.59, 0.00, 0.11
HSL	238°, 70%, 62%
HSV	238°, 61%, 89%
XYZ	21.5791, 15.2200, 73.7519
YIQ	106.0800, -45.3980, 40.8260

Conversions

Conversions Part 2

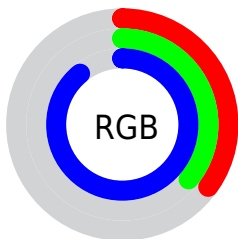
Format	Color
R _Y B	88, 92, 226
Decimal	5790946
CIE Lab	45.93, 38.07, -68.86
CIE LCh	46, 78.683, 298.934
Yxy	15.2200, 0.1952, 0.1377
Android (android.graphics.Color)	4283981026 (0xFF585CE2)
YUV	106.0800, 59.1206, -15.8562
Hunter-Lab	39.0128, 30.4610, -84.7760

Details

The XYZ color **21.5791, 15.2200, 73.7519** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted blue. A complement of this color would be **59.2491, 69.1199, 19.4528**, and the grayscale version is **13.5744, 14.2813, 15.5523**.

A 20% lighter version of the original color is **40.3007, 33.0500, 98.8630**, and **8.2327, 4.8563, 38.5337** is the 20% darker color. If you saturate the color by 10%, you get **18.1281, 11.0159, 73.1227**, and if you desaturate by 10%, it is **26.2450, 20.8676, 74.5965**.

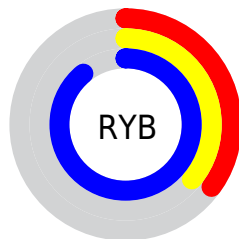
Distribution



Red (35%)

Green (36%)

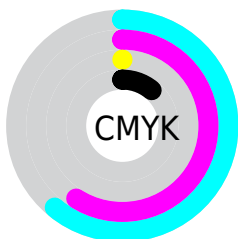
Blue (89%)



Red (35%)

Yellow (36%)

Blue (89%)

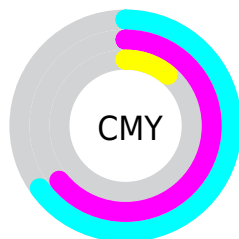


Cyan (61%)

Magenta (59%)

Yellow (0%)

Black (11%)



Cyan (65%)

Magenta (64%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5791, 15.2200, 73.7519 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 21.5791, 15.2200, 73.7519 by changing the saturation by 10% instead.

■ 21.5791, 15.2200,
73.7519

■ 21.5791, 15.2200,
73.7519

253.0142,
224.6940, 492.7571

■ 13.6628, 8.9739,
54.0954

■ 45.5334, 35.2387,
126.2748

■ 7.9667, 4.7242,
38.2843

■ 62.3021, 49.7801,
159.9784

■ 4.1252, 2.0864,
25.8999

■ 82.7524, 67.8553,
199.2014

■ 1.7732, 0.6569,
16.5236

■ 107.2496, 89.8489,
244.3624

■ 0.5015, 0.0000,
9.7371

136.1590,
116.1452, 295.8799

■ 0.0000, 0.0000,
5.1217

169.8460,

■ 0.0000, 0.0000,

147.1285, 354.1726

2.2588

208.6759,
183.1833, 419.6588

■ 0.0000, 0.0000,
0.7080

■ 0.0000, 0.0000,
0.0000

■ 21.5791, 15.2200,
73.7519

■ 21.5791, 15.2200,
73.7519

■ 18.1281, 11.0159,
73.1227

■ 26.2450, 20.8676,
74.5965

■ 15.7771, 8.1232,
72.6883

■ 32.2222, 28.0725,
75.6721

■ 14.3933, 6.3879,
72.4263

■ 39.5999, 36.9384,
76.9945

■ 13.7985, 5.6330,
72.3119

■ 48.4590, 47.5598,
78.5778

■ 58.8742, 60.0243,
80.4347

■ 70.9153, 74.4133,
82.5774

■ 84.6475, 90.8036,
85.0173

■ 90.7275, 98.2710,
86.1382

Harmonies

Analogous

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



14.2296, 15.2200, 86.8097



21.5791, 15.2200, 73.7519



28.4219, 15.2200, 43.5742

Triad

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



21.5791, 15.2200, 73.7519



22.1215, 15.2200, 0.8249



5.0757, 15.2200, 15.9000

Complementary

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



21.5791, 15.2200, 73.7519



59.2491, 69.1199, 19.4528

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.



6.0429, 15.2200, 3.9452



21.5791, 15.2200, 73.7519



14.7054, 15.2200, 0.0368

Square

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



21.5791, 15.2200, 73.7519



28.7967, 15.2200, 4.4160



9.1181, 15.2200, 0.7226



5.9109, 15.2200, 41.3646

Rectangle

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



21.5791, 15.2200, 73.7519



31.0010, 15.2200, 24.6444



9.1181, 15.2200, 0.7226



5.1938, 15.2200, 10.4883

Sweetspot

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



21.5799, 15.2204, 73.7523



67.5253, 67.0948, 103.9994



44.3263, 61.7099, 78.2618



13.6407, 13.3881, 22.1152



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.



21.5799, 15.2204, 73.7523



22.9582, 13.4090, 95.9859



30.2425, 19.1861, 74.0612



12.9837, 13.3065, 17.2718



7.8868, 3.2431, 41.2587



0.5581, 0.2476, 2.8636

Inverse Universe

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



36.7863, 23.9221, 12.8039



44.6029, 25.9954, 9.1873



43.7781, 62.7376, 19.0363



13.7232, 13.7069, 14.3127



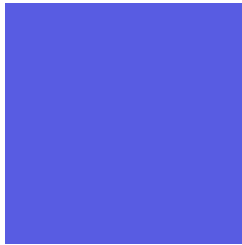
17.9211, 9.2354, 0.9843



1.2479, 0.6424, 0.0985

Previews

White Background



This preview shows how the XYZ color 21.5791, 15.2200, 73.7519 looks on a white background.

Color Contrast Check

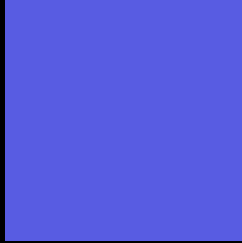
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.5791, 15.2200, 73.7519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

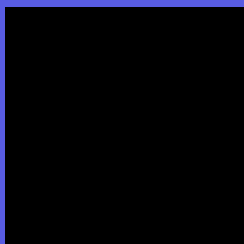
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.5791, 15.2200, 73.7519

Background



This preview shows how black text looks on a background with the XYZ color 21.5791, 15.2200, 73.7519.



This preview shows how white text looks on a background with the XYZ color 21.5791, 15.2200,

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

21.5791, 15.2200, 73.7519

Protanopia

18.0015, 15.1211, 70.3765

Deuteranopia

15.0884, 15.1305, 51.4154



Tritanopia

11.3682, 15.2033, 22.7574

Trichromacy



Original Color

21.5791, 15.2200, 73.7519

Protanomaly

18.4721, 14.7491, 71.6853

Deuteranomaly

16.4451, 14.5673, 59.0718

Tritanomaly

13.8568, 14.4875, 37.1880

Monochromacy



Original Color

21.5791, 15.2200, 73.7519

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.3043, 14.1620, 30.7811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5791, 15.2200, 73.7519 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(88, 92, 226)` looks like.

```
.text, #text, p{  
    color:rgb(88, 92, 226)  
}
```

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(88, 92, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 92, 226) }
```

Border

The CSS property to change the border of an element to XYZ 21.5791, 15.2200, 73.7519 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(88, 92, 226) }
```


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

```
.border{ border-color:rgb(88, 92, 226) }
```

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

Here you see how a box with a 4 pixel rgb(88, 92, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 92, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 92, 226);  
box-shadow:4px 4px 4px 4px rgb(88, 92,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5791, 15.2200, 73.7519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 92, 226) }
```

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

```
.background{ background-color: rgb(88, 92,  
226) }
```

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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