

Converting Colors

XYZ(22.1684, 13.3269, 74.0415)

Have a look what the booklet for
XYZ(22.1684, 13.3269, 74.0415)
contains.

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Color

**XYZ(22.1915, 13.3753,
74.0851)**

Conversions

Conversions Part 1

Format	Color
Hex	6A49E3
RGB	106, 73, 227
RGB Percent	42%, 29%, 89%
CMY	0.5843, 0.7137, 0.1098
CMYK	0.53, 0.68, 0.00, 0.11
HSL	253°, 73%, 59%
HSV	253°, 68%, 89%
XYZ	22.1915, 13.3753, 74.0851
YIQ	100.4230, -29.7660, 54.8900

Conversions

Conversions Part 2

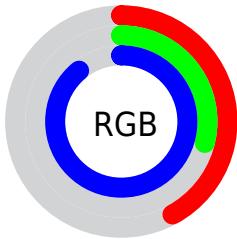
Format	Color
R_{YB}	106, 73, 227
Decimal	6965731
CIE _{Lab}	43.32, 52.18, -73.63
CIE _{LCh}	43, 90.242, 305.325
Yxy	13.3753, 0.2024, 0.1220
Android (android.graphics.Color)	4285155811 (0xFF6A49E3)
YUV	100.4230, 62.4025, 4.8910
Hunter-Lab	36.5723, 44.3097, -94.5043

Details

The XYZ color **22.1915, 13.3753, 74.0851** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **50.9186, 66.8881, 16.5303**, and the grayscale version is **12.0726, 12.7013, 13.8318**.

A 20% lighter version of the original color is **41.1940, 29.8508, 98.1984**, and **8.2552, 3.8724, 38.3426** is the 20% darker color. If you saturate the color by 10%, you get **19.0593, 9.9360, 73.5867**, and if you desaturate by 10%, it is **26.3099, 18.1304, 74.7862**.

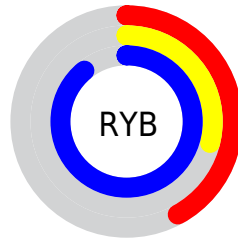
Distribution



Red (42%)

Green (29%)

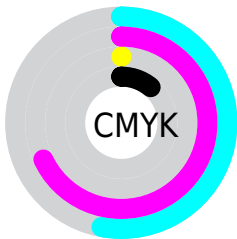
Blue (89%)



Red (42%)

Yellow (29%)

Blue (89%)

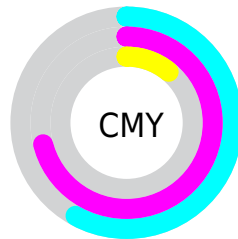


Cyan (53%)

Magenta (68%)

Yellow (0%)

Black (11%)



Cyan (58%)

Magenta (71%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1915, 13.3753, 74.0851 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 22.1915, 13.3753, 74.0851 by changing the saturation by 10% instead.

■ 22.1915, 13.3753,
74.0851

■ 22.1915, 13.3753,
74.0851

256.1583,
213.3091, 493.9383

■ 14.1151, 7.6875,
54.3665

■ 46.5388, 31.9764,
126.7516

■ 8.2830, 3.8956,
38.4996

■ 63.5404, 45.6585,
160.5365

■ 4.3299, 1.6154,
26.0658

■ 84.2477, 62.7741,
199.8474

■ 1.8904, 0.3679,
16.6467

■ 109.0262, 83.7076,
245.1026

■ 0.5712, 0.0000,
9.8236

■ 138.2411,
108.8435, 296.7207

■ 0.0000, 0.0000,
5.1781

172.2579,

■ 0.0000, 0.0000,

138.5661, 355.1204

2.2916

211.4418,
173.2599, 420.7201

■ 0.0000, 0.0000,
0.7265

■ 0.0000, 0.0000,
0.0000

■ 22.1915, 13.3753,
74.0851

■ 22.1915, 13.3753,
74.0851

■ 19.0593, 9.9360,
73.5867

■ 26.3099, 18.1304,
74.7862

■ 16.8211, 7.6723,
73.2677

■ 31.4905, 24.3195,
75.7078

■ 15.3605, 6.3959,
73.0983

■ 37.8043, 32.0486,
76.8669

■ 15.1150, 6.1904,
73.0716

■ 45.3151, 41.4132,
78.2786

■ 54.0819, 52.5011,
79.9567

■ 64.1598, 65.3937,
81.9140

■ 75.6003, 80.1671,
84.1626

■ 88.4525, 96.8932,
86.7137

■ 90.8652, 98.3261,
86.8631

Harmonies

Analogous

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



14.0033, 13.3753, 96.5345



22.1915, 13.3753, 74.0851



29.2850, 13.3753, 37.3108

Triad

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



22.1915, 13.3753, 74.0851



19.2003, 13.3753, 0.0000



3.4689, 13.3753, 18.4418

Complementary

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



22.1915, 13.3753, 74.0851



50.9186, 66.8881, 16.5303

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.



3.9852, 13.3753, 3.6706



22.1915, 13.3753, 74.0851



11.5042, 13.3753, 0.0000

Square

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



22.1915, 13.3753, 74.0851



27.1598, 13.3753, 1.7118



6.4104, 13.3753, 0.0747



4.5898, 13.3753, 50.1562

Rectangle

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



22.1915, 13.3753, 74.0851



31.3994, 13.3753, 17.9365



6.4104, 13.3753, 0.0747



3.4633, 13.3753, 11.6422

Sweetspot

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



22.1922, 13.3757, 74.0855



67.6468, 64.8423, 103.5582



36.3980, 46.5328, 79.7367



13.7751, 12.9870, 22.0307



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.



22.1922, 13.3757, 74.0855



23.6112, 11.6834, 95.6184



35.2570, 20.1108, 74.6969



13.8701, 14.0353, 18.1224



8.8950, 3.6514, 42.6192



0.7346, 0.3097, 3.1530

Inverse Universe

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



43.7983, 24.9908, 53.5512



54.0397, 28.1006, 64.0277



36.3070, 59.3556, 15.8465



14.8559, 14.5595, 17.4415



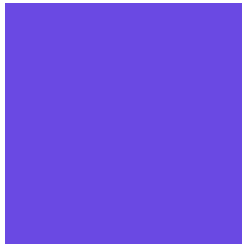
23.2267, 11.4249, 25.8863



1.7494, 0.8575, 2.0870

Previews

White Background



This preview shows how the XYZ color 22.1915, 13.3753, 74.0851 looks on a white background.

Color Contrast Check

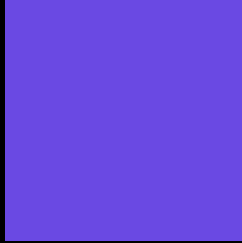
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1915, 13.3753, 74.0851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

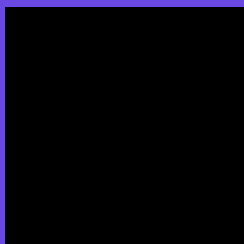
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.1915, 13.3753, 74.0851

Background



This preview shows how black text looks on a background with the XYZ color 22.1915, 13.3753, 74.0851.



This preview shows how white text looks on a background with the XYZ color 22.1915, 13.3753,

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

22.1915, 13.3753, 74.0851

Protanopia

15.7528, 13.2894, 61.4094

Deuteranopia

13.1883, 13.3578, 44.5310



Tritanopia

11.0992, 13.3116, 18.8140

Trichromacy



Original Color

22.1915, 13.3753, 74.0851



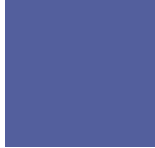
Protanomaly

16.6748, 12.4824, 65.8205



Deuteranomaly

14.7149, 12.2456, 53.8126



Tritanomaly

13.7453, 12.4577, 33.5784

Monochromacy



Original Color

22.1915, 13.3753, 74.0851



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

14.3240, 12.2124, 28.7964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1915, 13.3753, 74.0851 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(106, 73, 227)` looks like.

```
.text, #text, p{  
    color:rgb(106, 73, 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(106, 73, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 73, 227) }
```

Border

The CSS property to change the border of an element to XYZ 22.1915, 13.3753, 74.0851 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(106, 73, 227) }
```


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

```
.border{ border-color:rgb(106, 73, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 73, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 73, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 73, 227);  
box-shadow:4px 4px 4px 4px rgb(106, 73,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1915, 13.3753, 74.0851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 73, 227) }
```

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

```
.background{ background-color: rgb(106, 73,  
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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