

Converting Colors

XYZ(21.7093, 14.9640, 74.5977)

Have a look what the booklet for
XYZ(21.7093, 14.9640, 74.5977)
contains.

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Color

**XYZ(21.7377, 15.0320,
74.4288)**

Conversions

Conversions Part 1

Format	Color
Hex	5A5AE3
RGB	90, 90, 227
RGB Percent	35%, 35%, 89%
CMY	0.6470, 0.6471, 0.1098
CMYK	0.60, 0.60, 0.00, 0.11
HSL	240°, 71%, 62%
HSV	240°, 60%, 89%
XYZ	21.7377, 15.0320, 74.4288
YIQ	105.6180, -43.9770, 42.6070

Conversions

Conversions Part 2

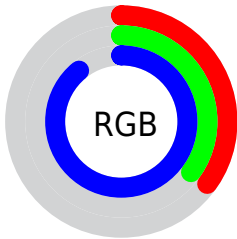
Format	Color
R_{YB}	90, 90, 227
Decimal	5921507
CIE _{Lab}	45.68, 39.92, -69.84
CIE _{LCh}	46, 80.441, 299.750
Yxy	15.0320, 0.1955, 0.1352
Android (android.graphics.Color)	4284111587 (0xFF5A5AE3)
YUV	105.6180, 59.8413, -13.6970
Hunter-Lab	38.7711, 32.2296, -86.6790

Details

The XYZ color **21.7377, 15.0320, 74.4288** 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 **60.9912, 72.0065, 20.3569**, and the grayscale version is **13.4466, 14.1469, 15.4059**.

A 20% lighter version of the original color is **40.3770, 32.6516, 98.7820**, and **8.1564, 4.7036, 38.5082** is the 20% darker color. If you saturate the color by 10%, you get **18.2261, 10.8003, 73.7975**, and if you desaturate by 10%, it is **26.5092, 20.7807, 75.2873**.

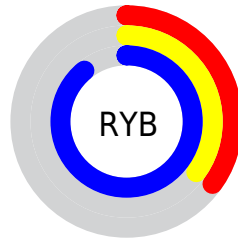
Distribution



Red (35%)

Green (35%)

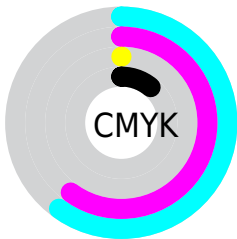
Blue (89%)



Red (35%)

Yellow (35%)

Blue (89%)

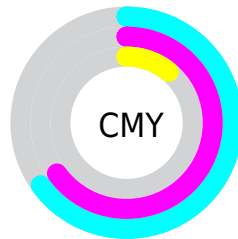


Cyan (60%)

Magenta (60%)

Yellow (0%)

Black (11%)



Cyan (65%)

Magenta (65%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7377, 15.0320, 74.4288 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 21.7377, 15.0320, 74.4288 by changing the saturation by 10% instead.

■ 21.7377, 15.0320,
74.4288

■ 21.7377, 15.0320,
74.4288

253.8316,
223.5598, 495.1549

■ 13.7798, 8.8418,
54.6462

■ 45.7942, 34.9093,
127.2431

■ 8.0484, 4.6382,
38.7218

■ 62.6235, 49.3653,
161.1119

■ 4.1780, 2.0366,
26.2372

■ 83.1406, 67.3452,
200.5131

■ 1.8033, 0.6286,
16.7738

■ 107.7110, 89.2337,
245.8653

■ 0.5197, 0.0000,
9.9131

■ 136.6999,
115.4150, 297.5871

■ 0.0000, 0.0000,
5.2365

170.4727,

■ 0.0000, 0.0000,

146.2735, 356.0969

2.3256

209.3949,
182.1936, 421.8133

■ 0.0000, 0.0000,
0.7455

■ 0.0000, 0.0000,
0.0000

■ 21.7377, 15.0320,
74.4288

■ 21.7377, 15.0320,
74.4288

■ 18.2261, 10.8003,
73.7975

■ 26.5092, 20.7807,
75.2873

■ 15.8535, 7.9415,
73.3707

■ 32.6420, 28.1704,
76.3904

■ 14.4791, 6.2856,
73.1235

■ 40.2301, 37.3136,
77.7553

■ 13.8653, 5.5462,
73.0131

■ 49.3582, 48.3125,
79.3972

■ 60.1048, 61.2616,
81.3302

■ 72.5429, 76.2489,
83.5675

■ 86.7411, 93.3571,
86.1214

■ 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.



14.2310, 15.0320, 88.6899



21.7377, 15.0320, 74.4288



28.6742, 15.0320, 43.1148

Triad

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



21.7377, 15.0320, 74.4288



21.8674, 15.0320, 0.6479



4.8467, 15.0320, 16.2060

Complementary

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



21.7377, 15.0320, 74.4288



60.9912, 72.0065, 20.3569

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.



5.7573, 15.0320, 3.8806



21.7377, 15.0320, 74.4288



14.3441, 15.0320, 0.0000

Square

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



21.7377, 15.0320, 74.4288



28.7642, 15.0320, 3.9889



8.7698, 15.0320, 0.6234



5.7266, 15.0320, 42.5824

Rectangle

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



21.7377, 15.0320, 74.4288



31.2268, 15.0320, 23.9059



8.7698, 15.0320, 0.6234



4.9480, 15.0320, 10.6079

Sweetspot

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



21.7385, 15.0324, 74.4292



67.1985, 66.4403, 103.8903



45.5509, 62.6582, 82.3669



13.5631, 13.2327, 22.0893



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.



21.7385, 15.0324, 74.4292



22.9574, 13.1326, 95.9326



31.7205, 20.1783, 74.8964



13.5830, 13.8872, 18.1089



8.0863, 3.2345, 42.5813



0.5976, 0.2390, 3.1466

Inverse Universe

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



49.1991, 29.1890, 75.7093



61.5673, 33.0369, 97.7317



43.5138, 62.9966, 19.5390



14.9952, 14.6152, 18.1749



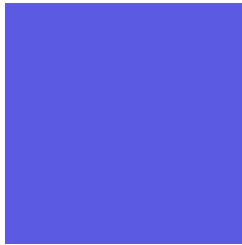
26.5603, 12.7583, 43.4411



1.9627, 0.9428, 3.2102

Previews

White Background



This preview shows how the XYZ color 21.7377, 15.0320, 74.4288 looks on a white background.

Color Contrast Check

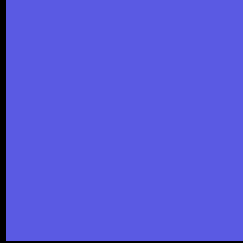
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7377, 15.0320, 74.4288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

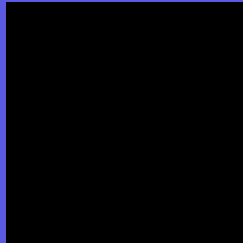
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.7377, 15.0320, 74.4288

Background



This preview shows how black text looks on a background with the XYZ color 21.7377, 15.0320, 74.4288.



This preview shows how white text looks on a background with the XYZ color 21.7377, 15.0320,

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

21.7377, 15.0320, 74.4288

Protanopia

17.8686, 15.0679, 69.6768

Deuteranopia

14.8702, 14.8696, 50.8016



Tritanopia

11.3055, 15.0028, 22.3786

Trichromacy



Original Color

21.7377, 15.0320, 74.4288

Protanomaly

18.4083, 14.5747, 71.6550

Deuteranomaly

16.2569, 14.3356, 58.4101

Tritanomaly

13.8369, 14.3301, 36.6870

Monochromacy



Original Color

21.7377, 15.0320, 74.4288

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.3177, 14.0257, 30.7541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7377, 15.0320, 74.4288 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(90, 90, 227)` looks like.

```
.text, #text, p{  
    color:rgb(90, 90, 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(90, 90, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 90, 227) }
```

Border

The CSS property to change the border of an element to XYZ 21.7377, 15.0320, 74.4288 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(90, 90, 227) }
```


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

```
.border{ border-color:rgb(90, 90, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 90, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 90, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 90, 227);  
box-shadow:4px 4px 4px 4px rgb(90, 90,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7377, 15.0320, 74.4288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 90, 227) }
```

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

```
.background{ background-color: rgb(90, 90,  
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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