

Converting Colors

XYZ(21.2772, 13.5177, 74.1608)

Have a look what the booklet for
XYZ(21.2772, 13.5177, 74.1608)
contains.

XYZ(21.2772, 13.5177, 74.1608)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.2772, 13.5177,
74.1608)**

Conversions

Conversions Part 1

Format	Color
Hex	5E4FE3
RGB	94, 79, 227
RGB Percent	37%, 31%, 89%
CMY	0.6313, 0.6902, 0.1098
CMYK	0.59, 0.65, 0.00, 0.11
HSL	246°, 73%, 60%
HSV	246°, 65%, 89%
XYZ	21.2772, 13.5177, 74.1608
YIQ	100.3570, -38.5680, 49.2080

Conversions

Conversions Part 2

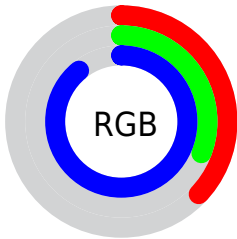
Format	Color
R _Y B	94, 79, 227
Decimal	6180835
CIE Lab	43.53, 46.99, -73.33
CIE LCh	44, 87.088, 302.652
Yxy	13.5177, 0.1953, 0.1241
Android (android.graphics.Color)	4284370915 (0xFF5E4FE3)
YUV	100.3570, 62.4350, -5.5751
Hunter-Lab	36.7664, 38.9590, -93.8561

Details

The XYZ color **21.2772, 13.5177, 74.1608** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **56.0300, 69.4990, 17.8587**, and the grayscale version is **12.0574, 12.6854, 13.8144**.

A 20% lighter version of the original color is **39.6106, 29.9884, 98.3084**, and **7.7722, 3.9353, 38.3802** is the 20% darker color. If you saturate the color by 10%, you get **18.0879, 9.8439, 73.6201**, and if you desaturate by 10%, it is **25.5794, 18.5946, 74.9143**.

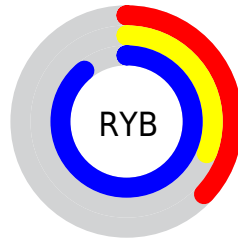
Distribution



Red (37%)

Green (31%)

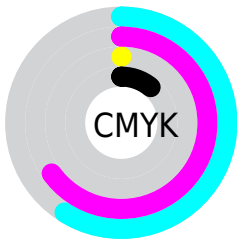
Blue (89%)



Red (37%)

Yellow (31%)

Blue (89%)

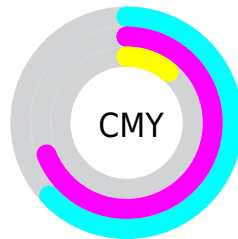


Cyan (59%)

Magenta (65%)

Yellow (0%)

Black (11%)



Cyan (63%)

Magenta (69%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2772, 13.5177, 74.1608 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 21.2772, 13.5177, 74.1608 by changing the saturation by 10% instead.

■ 21.2772, 13.5177,
74.1608

■ 21.2772, 13.5177,
74.1608

251.4519,
214.2094, 494.2064

■ 13.4404, 7.7860,
54.4281

■ 45.0362, 32.2308,
126.8599

■ 7.8116, 3.9583,
38.5485

■ 61.6892, 45.9809,
160.6633

■ 4.0254, 1.6503,
26.1035

■ 82.0115, 63.1727,
199.9940

■ 1.7165, 0.3911,
16.6747

■ 106.3686, 84.1905,
245.2706

■ 0.4666, 0.0000,
9.8433

■ 135.1259,
109.4186, 296.9116

■ 0.0000, 0.0000,
5.1909

168.6486,

■ 0.0000, 0.0000,

139.2416, 355.3356

2.2990

207.3022,
174.0437, 420.9610

■ 0.0000, 0.0000,
0.7307

■ 0.0000, 0.0000,
0.0000

■ 21.2772, 13.5177,
74.1608

■ 21.2772, 13.5177,
74.1608

■ 18.0879, 9.8439,
73.6201

■ 25.5794, 18.5946,
74.9143

■ 15.9051, 7.4300,
73.2692

■ 31.0831, 25.1964,
75.8985

■ 14.6049, 6.1034,
73.0817

■ 37.8708, 33.4331,
77.1306

■ 14.2189, 5.7284,
73.0297

■ 46.0166, 43.4041,
78.6259

■ 55.5893, 55.2008,
80.3984

■ 66.6528, 68.9083,
82.4611

■ 79.2673, 84.6062,
84.8262

■ 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.



13.4630, 13.5177, 92.8214



21.2772, 13.5177, 74.1608



28.3220, 13.5177, 39.5090

Triad

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



21.2772, 13.5177, 74.1608



19.8433, 13.5177, 0.0000



3.7103, 13.5177, 16.5208

Complementary

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



21.2772, 13.5177, 74.1608



56.0300, 69.4990, 17.8587

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.



4.3796, 13.5177, 3.3445



21.2772, 13.5177, 74.1608



12.2524, 13.5177, 0.0000

Square

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



21.2772, 13.5177, 74.1608



27.3091, 13.5177, 2.3465



7.0038, 13.5177, 0.1211



4.6816, 13.5177, 45.5964

Rectangle

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



21.2772, 13.5177, 74.1608



30.6789, 13.5177, 20.0487



7.0038, 13.5177, 0.1211



3.7513, 13.5177, 10.4281

Sweetspot

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



21.2779, 13.5180, 74.1612



65.9859, 63.9860, 103.4805



40.6832, 54.3956, 81.0286



13.3847, 12.7858, 22.0124



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.



21.2779, 13.5180, 74.1612



22.4709, 11.6056, 95.6635



32.7671, 19.4409, 74.6989



13.7178, 13.9567, 18.1152



8.3375, 3.3640, 42.5931



0.6623, 0.2724, 3.1496

Inverse Universe

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



46.3575, 26.6760, 64.9888



57.6302, 30.0865, 81.2399



39.3949, 60.9233, 17.0801



14.9288, 14.5887, 17.8255



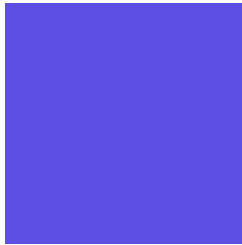
24.8553, 12.0763, 34.4626



1.8550, 0.8997, 2.6430

Previews

White Background



This preview shows how the XYZ color 21.2772, 13.5177, 74.1608 looks on a white background.

Color Contrast Check

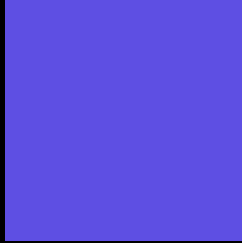
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2772, 13.5177, 74.1608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

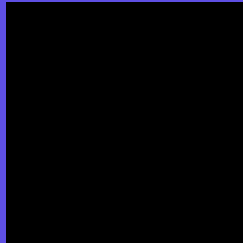
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.2772, 13.5177, 74.1608

Background



This preview shows how black text looks on a background with the XYZ color 21.2772, 13.5177, 74.1608.



This preview shows how white text looks on a background with the XYZ color 21.2772, 13.5177,

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

21.2772, 13.5177, 74.1608

Protanopia

15.9705, 13.5271, 62.0909

Deuteranopia

13.2898, 13.3984, 45.0657



Tritanopia

10.3412, 13.3779, 19.8065

Trichromacy



Original Color

21.2772, 13.5177, 74.1608

Protanomaly

16.8815, 12.9522, 66.5760

Deuteranomaly

14.9206, 12.7370, 54.4954

Tritanomaly

12.8998, 12.5507, 34.5435

Monochromacy



Original Color

21.2772, 13.5177, 74.1608

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

14.0525, 12.3263, 28.8327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2772, 13.5177, 74.1608 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(94, 79, 227)` looks like.

```
.text, #text, p{  
    color:rgb(94, 79, 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(94, 79, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 79, 227) }
```

Border

The CSS property to change the border of an element to XYZ 21.2772, 13.5177, 74.1608 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(94, 79, 227) }
```


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

```
.border{ border-color:rgb(94, 79, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 79, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 79, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 79, 227);  
box-shadow:4px 4px 4px 4px rgb(94, 79,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2772, 13.5177, 74.1608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 79, 227) }
```

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

```
.background{ background-color: rgb(94, 79,  
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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