

Converting Colors

XYZ(21.3579, 14.9284, 77.4961)

Have a look what the booklet for
XYZ(21.3579, 14.9284, 77.4961)
contains.

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Color

**XYZ(21.3068, 14.8714,
77.3488)**

Conversions

Conversions Part 1

Format	Color
Hex	4E5BE7
RGB	78, 91, 231
RGB Percent	31%, 36%, 91%
CMY	0.6941, 0.6431, 0.0941
CMYK	0.66, 0.61, 0.00, 0.09
HSL	235°, 76%, 61%
HSV	235°, 66%, 91%
XYZ	21.3068, 14.8714, 77.3488
YIQ	103.0730, -52.6880, 40.7840

Conversions

Conversions Part 2

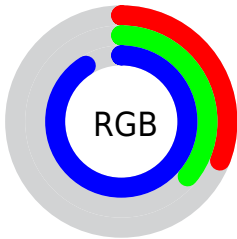
Format	Color
R _Y B	78, 90, 231
Decimal	5135335
CIE Lab	45.46, 38.83, -72.49
CIE LCh	45, 82.239, 298.177
Yxy	14.8714, 0.1877, 0.1310
Android (android.graphics.Color)	4283325415 (0xFF4E5BE7)
YUV	103.0730, 63.0680, -21.9890
Hunter-Lab	38.5635, 31.1375, -91.9267

Details

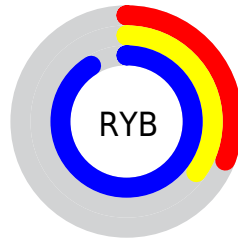
The XYZ color **21.3068, 14.8714, 77.3488** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **59.4047, 67.6873, 17.1435**, and the grayscale version is **12.7609, 13.4254, 14.6203**.

A 20% lighter version of the original color is **38.9026, 32.1094, 98.7551**, and **8.5784, 4.9328, 40.5444** is the 20% darker color. If you saturate the color by 10%, you get **18.1759, 10.9422, 76.7558**, and if you desaturate by 10%, it is **25.6124, 20.1615, 78.1433**.

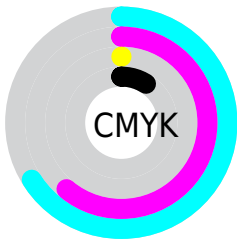
Distribution



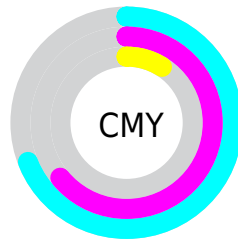
- Red (31%)
- Green (36%)
- Blue (91%)



- Red (31%)
- Yellow (35%)
- Blue (91%)



- Cyan (66%)
- Magenta (61%)
- Yellow (0%)
- Black (9%)



- Cyan (69%)
- Magenta (64%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3068, 14.8714, 77.3488 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 21.3068, 14.8714, 77.3488 by changing the saturation by 10% instead.

■ 21.3068, 14.8714,
77.3488

■ 21.3068, 14.8714,
77.3488

251.6055,
222.5865, 505.4217

■ 13.4622, 8.7292,
57.0259

■ 45.0850, 34.6274,
131.4092

■ 7.8268, 4.5650,
40.6166

■ 61.7493, 49.0100,
165.9839

■ 4.0352, 1.9943,
27.7022

■ 82.0843, 66.9082,
206.1462

■ 1.7220, 0.6042,
17.8642

■ 106.4551, 88.7063,
252.3147

■ 0.4700, 0.0000,
10.6841

■ 135.2274,
114.7888, 304.9080

■ 0.0000, 0.0000,
5.7433

168.7662,

■ 0.0000, 0.0000,

145.5401, 364.3445

2.6234

207.4372,
181.3445, 431.0429

■ 0.0000, 0.0000,
0.9045

■ 0.0000, 0.0000,
0.0000

■ 21.3068, 14.8714,
77.3488

■ 21.3068, 14.8714,
77.3488

■ 18.1759, 10.9422,
76.7558

■ 25.6124, 20.1615,
78.1433

■ 16.1004, 8.2471,
76.3450

■ 31.1919, 26.9213,
79.1540

■ 14.9384, 6.6367,
76.0954

■ 38.1364, 35.2499,
80.3956

■ 14.6673, 6.2564,
76.0363

■ 46.5282, 45.2375,
81.8811

■ 56.4429, 56.9673,
83.6226

■ 67.9510, 70.5170,
85.6315

■ 81.1184, 85.9596,
87.9182

■ 91.4239, 98.5496,
89.8051

Harmonies

Analogous

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



13.7201, 14.8714, 90.6659



21.3068, 14.8714, 77.3488



28.5304, 14.8714, 45.3185

Triad

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



21.3068, 14.8714, 77.3488



22.2748, 14.8714, 0.5941



4.6375, 14.8714, 15.0224

Complementary

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



21.3068, 14.8714, 77.3488



59.4047, 67.6873, 17.1435

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.



5.6404, 14.8714, 3.3383



21.3068, 14.8714, 77.3488



14.5578, 14.8714, 0.0000

Square

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



21.3068, 14.8714, 77.3488



29.2045, 14.8714, 4.1171



8.7853, 14.8714, 0.4112



5.4164, 14.8714, 41.3166

Rectangle

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



21.3068, 14.8714, 77.3488



31.3319, 14.8714, 25.2107



8.7853, 14.8714, 0.4112



4.7684, 14.8714, 9.6309

Sweetspot

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



21.3076, 14.8718, 77.3492



65.5884, 65.3304, 103.7609



44.0748, 63.7147, 74.7387



13.2917, 13.0997, 22.0779



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.



21.3076, 14.8718, 77.3492



21.7786, 12.4546, 95.8639



27.8308, 16.7264, 77.3634



13.6807, 14.0828, 18.1415



8.2592, 3.5806, 42.6390



0.6445, 0.3330, 3.1623

Inverse Universe

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



37.5685, 23.1944, 12.3944



43.6646, 24.3072, 8.2937



46.4868, 66.2266, 17.5424



14.4264, 14.3878, 15.1800



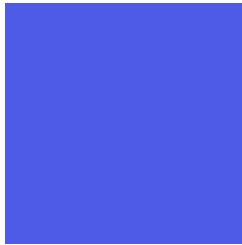
18.5624, 9.5592, 1.3246



1.3890, 0.7133, 0.1888

Previews

White Background



This preview shows how the XYZ color 21.3068, 14.8714, 77.3488 looks on a white background.

Color Contrast Check

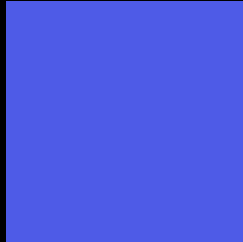
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3068, 14.8714, 77.3488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

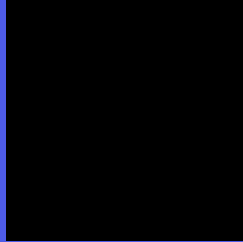
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.3068, 14.8714, 77.3488

Background



This preview shows how black text looks on a background with the XYZ color 21.3068, 14.8714, 77.3488.



This preview shows how white text looks on a background with the XYZ color 21.3068, 14.8714,

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

21.3068, 14.8714, 77.3488

Protanopia

17.5051, 14.7625, 68.2565

Deuteranopia

14.6530, 14.7827, 49.6580



Tritanopia

10.4931, 14.7522, 22.7165

Trichromacy



Original Color

21.3068, 14.8714, 77.3488

Protanomaly

18.2600, 14.4983, 71.6481

Deuteranomaly

16.2282, 14.3070, 59.0329

Tritanomaly

12.7391, 13.9008, 37.6090

Monochromacy



Original Color

21.3068, 14.8714, 77.3488

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.5830, 13.5054, 30.6924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3068, 14.8714, 77.3488 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(78, 91, 231)` looks like.

```
.text, #text, p{  
    color:rgb(78, 91, 231)  
}
```

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(78, 91, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 91, 231) }
```

Border

The CSS property to change the border of an element to XYZ 21.3068, 14.8714, 77.3488 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(78, 91, 231) }
```


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

```
.border{ border-color:rgb(78, 91, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 91, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 91, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 91, 231);  
box-shadow:4px 4px 4px 4px rgb(78, 91,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3068, 14.8714, 77.3488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 91, 231) }
```

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

```
.background{ background-color: rgb(78, 91,  
231) }
```

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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