

Converting Colors

XYZ(21.0380, 13.1902, 75.3299)

Have a look what the booklet for
XYZ(21.0380, 13.1902, 75.3299)
contains.

XYZ(21.0132, 13.1386, 75.5572)	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(21.0132, 13.1386,
75.5572)**

Conversions

Conversions Part 1

Format	Color
Hex	5A4DE5
RGB	90, 77, 229
RGB Percent	35%, 30%, 90%
CMY	0.6470, 0.6980, 0.1020
CMYK	0.61, 0.66, 0.00, 0.10
HSL	245°, 75%, 60%
HSV	245°, 66%, 90%
XYZ	21.0132, 13.1386, 75.5572
YIQ	98.2150, -41.0440, 50.0280

Conversions

Conversions Part 2

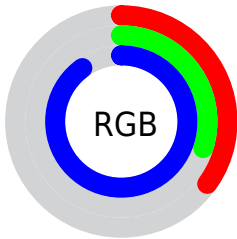
Format	Color
R_{YB}	90, 77, 229
Decimal	5918181
CIE _{Lab}	42.97, 48.15, -75.39
CIE _{LCh}	43, 89.454, 302.564
Yxy	13.1386, 0.1915, 0.1198
Android (android.graphics.Color)	4284108261 (0xFF5A4DE5)
YUV	98.2150, 64.4770, -7.2046
Hunter-Lab	36.2472, 40.0473, -98.2168

Details

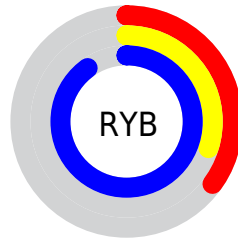
The XYZ color **21.0132, 13.1386, 75.5572** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **57.6758, 71.1725, 17.7190**, and the grayscale version is **11.5155, 12.1152, 13.1935**.

A 20% lighter version of the original color is **38.7762, 29.1710, 98.1946**, and **7.9107, 3.9071, 39.3669** is the 20% darker color. If you saturate the color by 10%, you get **17.9257, 9.5725, 75.0319**, and if you desaturate by 10%, it is **25.2395, 18.1284, 76.2979**.

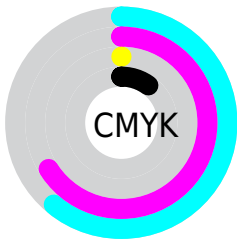
Distribution



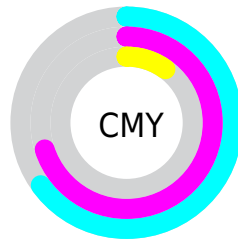
- Red (35%)
- Green (30%)
- Blue (90%)



- Red (35%)
- Yellow (30%)
- Blue (90%)



- Cyan (61%)
- Magenta (66%)
- Yellow (0%)
- Black (10%)



- Cyan (65%)
- Magenta (70%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0132, 13.1386, 75.5572 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 21.0132, 13.1386, 75.5572 by changing the saturation by 10% instead.

■ 21.0132, 13.1386,
75.5572

■ 21.0132, 13.1386,
75.5572

250.0790,
211.8040, 499.1370

■ 13.2462, 7.5241,
55.5650

■ 44.6006, 31.5526,
128.8551

■ 7.6764, 3.7919,
39.4526

■ 61.1517, 45.1208,
162.9980

■ 3.9387, 1.5579,
26.8015

■ 81.3615, 62.1090,
202.6947

■ 1.6675, 0.3289,
17.1931

■ 105.5954, 82.9016,
248.3640

■ 0.4358, 0.0000,
10.2088

■ 134.2188,
107.8830, 300.4244

■ 0.0000, 0.0000,
5.4302

167.5969,

■ 0.0000, 0.0000,

137.4376, 359.2943

2.4387

206.0952,
171.9498, 425.3923

■ 0.0000, 0.0000,
0.8074

■ 0.0000, 0.0000,
0.0000

■ 21.0132, 13.1386,
75.5572

■ 21.0132, 13.1386,
75.5572

■ 17.9257, 9.5725,
75.0319

■ 25.2395, 18.1284,
76.2979

■ 15.8630, 7.2791,
74.6980

■ 30.6993, 24.6700,
77.2728

■ 14.6899, 6.0729,
74.5270

■ 37.4801, 32.8782,
78.4998

■ 14.4233, 5.8017,
74.4887

■ 45.6607, 42.8566,
79.9946

■ 55.3135, 54.7006,
81.7720

■ 66.5063, 68.4987,
83.8454

■ 79.3023, 84.3335,
86.2274

■ 91.1429, 98.4372,
88.3256

Harmonies

Analogous

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



13.0870, 13.1386, 94.8941



21.0132, 13.1386, 75.5572



28.2246, 13.1386, 39.7091

Triad

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



21.0132, 13.1386, 75.5572



19.6009, 13.1386, 0.0000



3.4047, 13.1386, 16.0621

Complementary

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



21.0132, 13.1386, 75.5572



57.6758, 71.1725, 17.7190

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.



4.0608, 13.1386, 3.0077



21.0132, 13.1386, 75.5572



11.9073, 13.1386, 0.0000

Square

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



21.0132, 13.1386, 75.5572



27.2210, 13.1386, 2.0873



6.6508, 13.1386, 0.0000



4.3461, 13.1386, 45.7722

Rectangle

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



21.0132, 13.1386, 75.5572



30.6541, 13.1386, 19.7700



6.6508, 13.1386, 0.0000



3.4459, 13.1386, 9.9542

Sweetspot

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



21.0139, 13.1389, 75.5576



65.7579, 63.8685, 103.4698



41.8449, 56.5179, 82.8326



13.3313, 12.7583, 22.0099



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.



21.0139, 13.1389, 75.5576



21.6497, 10.8331, 95.5577



32.4529, 19.0359, 76.0929



13.6966, 13.9458, 18.1143



8.2877, 3.3384, 42.5907



0.6522, 0.2672, 3.1492

Inverse Universe

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



47.3609, 26.9233, 67.6615



57.7893, 29.7738, 83.2381



40.2305, 62.1791, 16.9026



14.9391, 14.5928, 17.8798



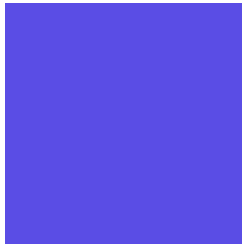
25.1061, 12.1766, 35.7831



1.8710, 0.9061, 2.7272

Previews

White Background



This preview shows how the XYZ color 21.0132, 13.1386, 75.5572 looks on a white background.

Color Contrast Check

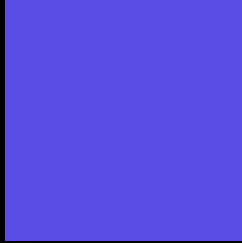
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0132, 13.1386, 75.5572 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 21.0132, 13.1386, 75.5572

Background



This preview shows how black text looks on a background with the XYZ color 21.0132, 13.1386, 75.5572.



This preview shows how white text looks on a background with the XYZ color 21.0132, 13.1386,

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

21.0132, 13.1386, 75.5572

Protanopia

15.4153, 13.0056, 60.0904

Deuteranopia

12.8861, 13.0750, 43.4395



Tritanopia

9.8022, 13.1000, 19.7812

Trichromacy



Original Color

21.0132, 13.1386, 75.5572

Protanomaly

16.4210, 12.4907, 65.1638

Deuteranomaly

14.5937, 12.3143, 53.8323

Tritanomaly

12.4379, 12.3025, 34.9768

Monochromacy



Original Color

21.0132, 13.1386, 75.5572

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.5638, 11.8205, 28.7608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0132, 13.1386, 75.5572 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, 77, 229)` looks like.

```
.text, #text, p{  
    color:rgb(90, 77, 229)  
}
```

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, 77, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 77, 229) }
```

Border

The CSS property to change the border of an element to XYZ 21.0132, 13.1386, 75.5572 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, 77, 229) }
```


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

```
.border{ border-color:rgb(90, 77, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 77, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 77, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 77, 229);  
box-shadow:4px 4px 4px 4px rgb(90, 77,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0132, 13.1386, 75.5572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 77, 229) }
```

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

```
.background{ background-color: rgb(90, 77,  
229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor