

Converting Colors

XYZ(22.0926, 14.3757, 80.4647)

Have a look what the booklet for
XYZ(22.0926, 14.3757, 80.4647)
contains.

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Color

**XYZ(22.0035, 14.3172,
80.2011)**

Conversions

Conversions Part 1

Format	Color
Hex	5654EB
RGB	86, 84, 235
RGB Percent	34%, 33%, 92%
CMY	0.6627, 0.6706, 0.0784
CMYK	0.63, 0.64, 0.00, 0.08
HSL	241°, 79%, 63%
HSV	241°, 64%, 92%
XYZ	22.0035, 14.3172, 80.2011
YIQ	101.8120, -47.2790, 47.3850

Conversions

Conversions Part 2

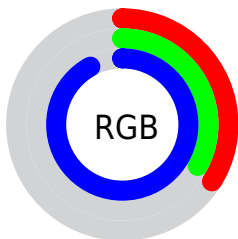
Format	Color
R _Y B	86, 84, 235
Decimal	5657835
CIE Lab	44.68, 45.44, -75.99
CIE LCh	45, 88.543, 300.877
Yxy	14.3172, 0.1888, 0.1229
Android (android.graphics.Color)	4283847915 (0xFF5654EB)
YUV	101.8120, 65.6617, -13.8671
Hunter-Lab	37.8381, 37.5842, -99.1837

Details

The XYZ color **22.0035, 14.3172, 80.2011** 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 **64.9100, 77.3792, 19.9019**, and the grayscale version is **12.4243, 13.0713, 14.2347**.

A 20% lighter version of the original color is **39.1528, 30.7542, 98.4803**, and **8.7290, 4.6006, 42.5474** is the 20% darker color. If you saturate the color by 10%, you get **18.6761, 10.3333, 79.6079**, and if you desaturate by 10%, it is **26.6362, 19.8816, 81.0314**.

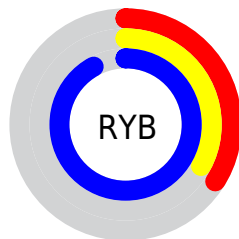
Distribution



Red (34%)

Green (33%)

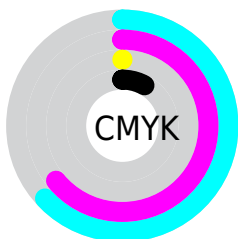
Blue (92%)



Red (34%)

Yellow (33%)

Blue (92%)

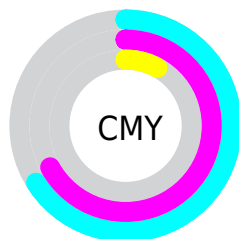


Cyan (63%)

Magenta (64%)

Yellow (0%)

Black (8%)



Cyan (66%)

Magenta (67%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0035, 14.3172, 80.2011 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 22.0035, 14.3172, 80.2011 by changing the saturation by 10% instead.

■ 22.0035, 14.3172,
80.2011

■ 22.0035, 14.3172,
80.2011

255.1966,
219.1953, 515.3349

■ 13.9761, 8.3416,
59.3567

■ 46.2306, 33.6508,
135.4624

■ 8.1856, 4.3143,
42.4784

■ 63.1610, 47.7776,
170.7164

■ 4.2668, 1.8509,
29.1477

■ 83.7897, 65.3903,
211.6106

■ 1.8541, 0.5186,
18.9461

■ 108.4822, 86.8732,
258.5637

■ 0.5500, 0.0000,
11.4549

■ 137.6038,
112.6108, 311.9941

■ 0.0000, 0.0000,
6.2557

171.5198,

■ 0.0000, 0.0000,

142.9874, 372.3204

2.9299

210.5956,
178.3874, 439.9612

■ 0.0000, 0.0000,
1.0589

■ 0.0000, 0.0000,
0.0000

■ 22.0035, 14.3172,
80.2011

■ 22.0035, 14.3172,
80.2011

■ 18.6761, 10.3333,
79.6079

■ 26.6362, 19.8816,
81.0314

■ 16.5179, 7.7651,
79.2259

■ 32.6875, 27.1671,
82.1187

■ 15.3673, 6.4131,
79.0256

■ 40.2610, 36.2997,
83.4823

■ 15.0346, 6.0184,
78.9669

■ 49.4502, 47.3936,
85.1393

■ 60.3410, 60.5536,
87.1054

■ 73.0132, 75.8772,
89.3952

■ 87.5415, 93.4555,
92.0225

■ 91.9955, 98.7782,
92.8151

Harmonies

Analogous

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



13.8208, 14.3172, 98.0906



22.0035, 14.3172, 80.2011



29.6020, 14.3172, 43.8723

Triad

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



22.0035, 14.3172, 80.2011



21.5024, 14.3172, 0.0000



3.9396, 14.3172, 16.2030

Complementary

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



22.0035, 14.3172, 80.2011



64.9100, 77.3792, 19.9019

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.



4.7539, 14.3172, 3.1715



22.0035, 14.3172, 80.2011



13.3975, 14.3172, 0.0000

Square

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



22.0035, 14.3172, 80.2011



29.2481, 14.3172, 2.8221



7.6767, 14.3172, 0.0733



4.8596, 14.3172, 45.9983

Rectangle

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



22.0035, 14.3172, 80.2011



32.3208, 14.3172, 22.7434



7.6767, 14.3172, 0.0733



4.0159, 14.3172, 10.1184

Sweetspot

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



22.0043, 14.3176, 80.2015



66.0406, 64.9214, 103.6581



48.3600, 67.3000, 89.0390



13.3457, 12.9418, 22.0446



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.



22.0043, 14.3176, 80.2015



21.5368, 11.3125, 95.6562



32.5631, 19.7608, 80.6957



14.2497, 14.5585, 18.9813



8.3758, 3.3538, 43.9489



0.6643, 0.2667, 3.4513

Inverse Universe

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



52.1381, 29.8854, 80.1044



60.4181, 31.4049, 95.2944



45.7061, 67.4792, 19.0031



15.7057, 15.3101, 19.0014



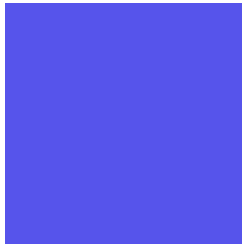
27.1681, 13.0699, 43.5482



2.1361, 1.0274, 3.4343

Previews

White Background



This preview shows how the XYZ color 22.0035, 14.3172, 80.2011 looks on a white background.

Color Contrast Check

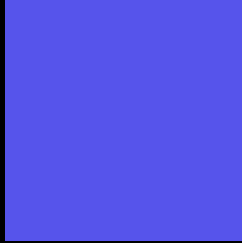
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0035, 14.3172, 80.2011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

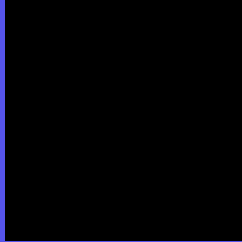
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.0035, 14.3172, 80.2011

Background



This preview shows how black text looks on a background with the XYZ color 22.0035, 14.3172, 80.2011.



This preview shows how white text looks on a background with the XYZ color 22.0035, 14.3172,

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

22.0035, 14.3172, 80.2011

Protanopia

16.7913, 14.1624, 65.4669

Deuteranopia

14.0143, 14.1858, 47.3469



Tritanopia

10.1239, 14.0552, 21.9180

Trichromacy



Original Color

22.0035, 14.3172, 80.2011

Protanomaly

17.8421, 13.7497, 70.8208

Deuteranomaly

15.8064, 13.5268, 58.2778

Tritanomaly

12.5962, 13.0471, 37.9308

Monochromacy



Original Color

22.0035, 14.3172, 80.2011

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.4211, 12.8732, 30.5789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0035, 14.3172, 80.2011 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(86, 84, 235)` looks like.

```
.text, #text, p{  
    color:rgb(86, 84, 235)  
}
```

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(86, 84, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 84, 235) }
```

Border

The CSS property to change the border of an element to XYZ 22.0035, 14.3172, 80.2011 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(86, 84, 235) }
```


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

```
.border{ border-color:rgb(86, 84, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 84, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 84, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 84, 235);  
box-shadow:4px 4px 4px 4px rgb(86, 84,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0035, 14.3172, 80.2011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 84, 235) }
```

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

```
.background{ background-color: rgb(86, 84,  
235) }
```

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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