

Converting Colors

XYZ(21.8359, 15.7863, 80.9979)

Have a look what the booklet for
XYZ(21.8359, 15.7863, 80.9979)
contains.

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Color

**XYZ(21.8490, 15.7240,
81.2403)**

Conversions

Conversions Part 1

Format	Color
Hex	4660EC
RGB	70, 96, 236
RGB Percent	27%, 38%, 93%
CMY	0.7254, 0.6235, 0.0745
CMYK	0.70, 0.59, 0.00, 0.07
HSL	231°, 81%, 60%
HSV	231°, 70%, 93%
XYZ	21.8490, 15.7240, 81.2403
YIQ	104.1860, -60.4360, 38.0280

Conversions

Conversions Part 2

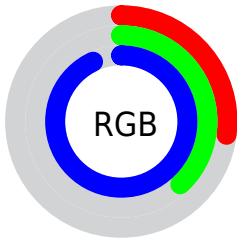
Format	Color
RYB	70, 92, 236
Decimal	4612332
CIELab	46.61, 36.42, -73.45
CIELCh	47, 81.983, 296.374
Yxy	15.7240, 0.1839, 0.1323
Android (android.graphics.Color)	4282802412 (0xFF4660EC)
YUV	104.1860, 64.9843, -29.9811
Hunter-Lab	39.6535, 28.9595, -93.7132

Details

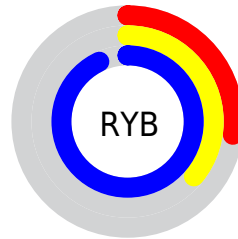
The XYZ color **21.8490, 15.7240, 81.2403** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle muted azure. A complement of this color would be **58.7475, 64.3741, 15.1253**, and the grayscale version is **13.0520, 13.7318, 14.9539**.

A 20% lighter version of the original color is **38.6454, 33.0961, 98.9591**, and **9.2773, 5.5359, 43.2274** is the 20% darker color. If you saturate the color by 10%, you get **18.8767, 11.8286, 80.6455**, and if you desaturate by 10%, it is **25.9511, 20.8842, 82.0205**.

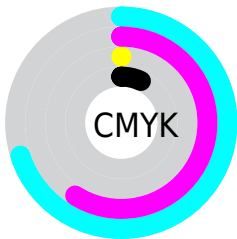
Distribution



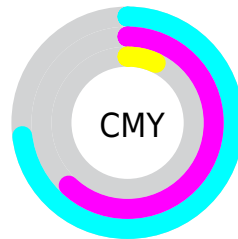
- Red (27%)
- Green (38%)
- Blue (93%)



- Red (27%)
- Yellow (36%)
- Blue (93%)



- Cyan (70%)
- Magenta (59%)
- Yellow (0%)
- Black (7%)



- Cyan (73%)
- Magenta (62%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8490, 15.7240, 81.2403 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 21.8490, 15.7240, 81.2403 by changing the saturation by 10% instead.

■ 21.8490, 15.7240,
81.2403

■ 21.8490, 15.7240,
81.2403

254.4039,
227.7075, 518.9195

■ 13.8620, 9.3291,
60.2074

■ 45.9770, 36.1184,
136.9352

■ 8.1058, 4.9564,
43.1594

■ 62.8487, 50.8866,
172.4343

■ 4.2151, 2.2217,
29.6779

■ 83.4127, 69.2148,
213.5925

■ 1.8245, 0.7318,
19.3442

■ 108.0343, 91.4872,
260.8284

■ 0.5324, 0.0000,
11.7400

137.0788,
118.0883, 314.5605

■ 0.0000, 0.0000,
6.4465

170.9117,

■ 0.0000, 0.0000,

149.4024, 375.2074

3.0453

209.8983,
185.8141, 443.1876

■ 0.0000, 0.0000,
1.1178

■ 0.0000, 0.0000,
0.0000

■ 21.8490, 15.7240,
81.2403

■ 21.8490, 15.7240,
81.2403

■ 18.8767, 11.8286,
80.6455

■ 25.9511, 20.8842,
82.0205

■ 16.9128, 9.0829,
80.2190

■ 31.2823, 27.4075,
82.9987

■ 15.8004, 7.3762,
79.9482

■ 37.9335, 35.3837,
84.1877

■ 45.9861, 44.8943,
85.5990

■ 55.5151, 56.0148,
87.2432

■ 66.5899, 68.8156,
89.1303

■ 79.2755, 83.3629,
91.2696

■ 92.1404, 98.8362,
93.5782

Harmonies

Analogous

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



14.1002, 15.7240, 93.0116



21.8490, 15.7240, 81.2403



29.3972, 15.7240, 49.0805

Triad

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



21.8490, 15.7240, 81.2403



23.8278, 15.7240, 0.8458



5.0567, 15.7240, 14.7704

Complementary

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



21.8490, 15.7240, 81.2403



58.7475, 64.3741, 15.1253

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.



6.2308, 15.7240, 3.3307



21.8490, 15.7240, 81.2403



15.8233, 15.7240, 0.0000

Square

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



21.8490, 15.7240, 81.2403



30.7703, 15.7240, 4.9811



9.6744, 15.7240, 0.4833



5.7623, 15.7240, 40.9527

Rectangle

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



21.8490, 15.7240, 81.2403



32.4748, 15.7240, 28.0526



9.6744, 15.7240, 0.4833



5.2316, 15.7240, 9.4773

Sweetspot

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



21.8498, 15.7244, 81.2407



65.2643, 65.7114, 103.8515



43.9487, 65.8643, 70.2879



13.2644, 13.2448, 22.1073



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.



21.8498, 15.7244, 81.2407



21.4279, 12.6300, 95.9162



25.8385, 14.8235, 80.8566



14.4216, 14.9297, 19.0439



8.7692, 4.1853, 44.0886



0.7463, 0.4441, 3.4813

Inverse Universe

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



38.8944, 23.0592, 13.4672



43.2735, 23.3310, 8.7609



50.0803, 70.2175, 16.7100



15.1616, 15.0925, 16.1364



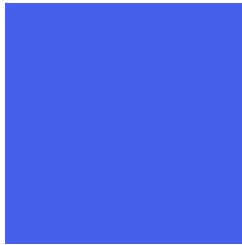
19.2816, 9.9153, 2.0181



1.5432, 0.7902, 0.3120

Previews

White Background



This preview shows how the XYZ color 21.8490, 15.7240, 81.2403 looks on a white background.

Color Contrast Check

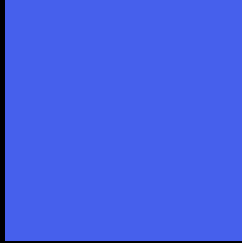
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8490, 15.7240, 81.2403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

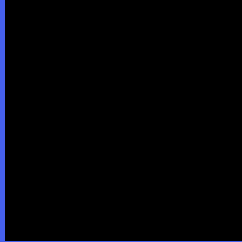
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.8490, 15.7240, 81.2403

Background



This preview shows how black text looks on a background with the XYZ color 21.8490, 15.7240, 81.2403.



This preview shows how white text looks on a background with the XYZ color 21.8490, 15.7240,

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

21.8490, 15.7240, 81.2403

Protanopia

18.6086, 15.6899, 72.5687

Deuteranopia

15.5308, 15.6605, 52.6563



Tritanopia

11.0563, 15.5578, 23.8930

Trichromacy



Original Color

21.8490, 15.7240, 81.2403

Protanomaly

19.1559, 15.3109, 75.3445

Deuteranomaly

17.1672, 15.3255, 62.3749

Tritanomaly

13.4675, 14.8815, 39.6987

Monochromacy



Original Color

21.8490, 15.7240, 81.2403

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.7348, 13.8497, 31.6024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8490, 15.7240, 81.2403 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(70, 96, 236)` looks like.

```
.text, #text, p{  
    color:rgb(70, 96, 236)  
}
```

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(70, 96, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 96, 236) }
```

Border

The CSS property to change the border of an element to XYZ 21.8490, 15.7240, 81.2403 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(70, 96, 236) }
```


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

```
.border{ border-color:rgb(70, 96, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 96, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 96, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 96, 236);  
box-shadow:4px 4px 4px 4px rgb(70, 96,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8490, 15.7240, 81.2403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 96, 236) }
```

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

```
.background{ background-color: rgb(70, 96,  
236) }
```

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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