

Converting Colors

XYZ(22.8064, 21.7235, 44.8643)

Have a look what the booklet for
XYZ(22.8064, 21.7235, 44.8643)
contains.

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Color

**XYZ(22.8407, 21.7331,
45.1106)**

Conversions

Conversions Part 1

Format	Color
Hex	767DB2
RGB	118, 125, 178
RGB Percent	46%, 49%, 70%
CMY	0.5372, 0.5098, 0.3020
CMYK	0.34, 0.30, 0.00, 0.30
HSL	233°, 28%, 58%
HSV	233°, 34%, 70%
XYZ	22.8407, 21.7331, 45.1106
YIQ	128.9490, -21.1850, 14.9990

Conversions

Conversions Part 2

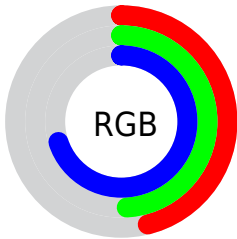
Format	Color
R_{YB}	118, 124, 178
Decimal	7765426
CIE _{Lab}	53.74, 10.24, -28.85
CIE _{LCh}	54, 30.615, 289.544
Yxy	21.7331, 0.2547, 0.2423
Android (android.graphics.Color)	4285955506 (0xFF767DB2)
YUV	128.9490, 24.1821, -9.6023
Hunter-Lab	46.6188, 5.8726, -24.7388

Details

The XYZ color **22.8407, 21.7331, 45.1106** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **36.1936, 39.8994, 22.9341**, and the grayscale version is **20.7723, 21.8541, 23.7991**.

A 20% lighter version of the original color is **47.5867, 46.1555, 84.2427**, and **8.6009, 7.8428, 20.4625** is the 20% darker color. If you saturate the color by 10%, you get **18.8124, 16.9321, 44.3966**, and if you desaturate by 10%, it is **27.6418, 27.4011, 45.9520**.

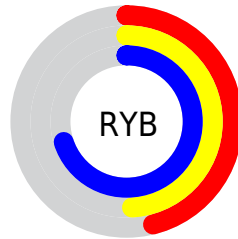
Distribution



Red (46%)

Green (49%)

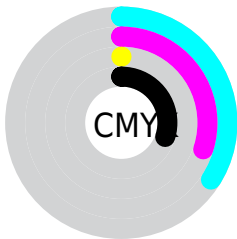
Blue (70%)



Red (46%)

Yellow (49%)

Blue (70%)

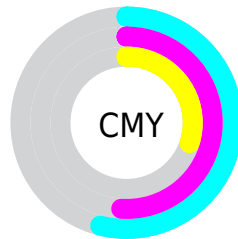


Cyan (34%)

Magenta (30%)

Yellow (0%)

Black (30%)



Cyan (54%)

Magenta (51%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8407, 21.7331, 45.1106 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 22.8407, 21.7331, 45.1106 by changing the saturation by 10% instead.

■ 22.8407, 21.7331,
45.1106

■ 22.8407, 21.7331,
45.1106

259.4564,
261.1493, 383.3945

■ 14.5960, 13.6609,
31.2010

■ 47.6002, 46.3045,
84.2066

■ 8.6208, 7.8852,
20.4922

■ 64.8457, 63.5725,
110.2300

■ 4.5498, 4.0216,
12.5657

■ 85.8222, 84.6745,
141.1284

■ 2.0176, 1.6856,
7.0030

110.8949,
109.9950, 177.3204

■ 0.6438, 0.4143,
3.3855

140.4294,
139.9183, 219.2244

■ 0.0000, 0.0000,
1.2947

174.7909,

■ 0.0000, 0.0000,

174.8289, 267.2591

0.0574

214.3448,
215.1111, 321.8429

■ 0.0000, 0.0000,
0.0000

■ 22.8407, 21.7331,
45.1106

■ 22.8407, 21.7331,
45.1106

■ 18.8124, 16.9321,
44.3966

■ 27.6418, 27.4011,
45.9520

■ 15.5140, 12.9529,
43.8024

■ 33.2509, 33.9735,
46.9249

■ 12.9022, 9.7496,
43.3218

■ 39.7039, 41.4884,
48.0354

■ 10.9277, 7.2711,
42.9474

■ 47.0337, 49.9813,
49.2883

■ 9.5348, 5.4598,
42.6712

■ 55.2715, 59.4853,
50.6886

■ 8.6579, 4.2493,
42.4838

■ 64.4471, 70.0325,
52.2408

■ 8.2999, 3.7422,
42.4048

■ 74.5887, 81.6533,
53.9493

■ 83.7076, 93.3376,
55.7240

■ 85.0360, 95.9944,
56.1668

Harmonies

Analogous

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



19.5324, 21.7331, 46.2599



22.8407, 21.7331, 45.1106



25.8406, 21.7331, 37.4357

Triad

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



22.8407, 21.7331, 45.1106



25.0283, 21.7331, 12.4029



15.0511, 21.7331, 20.5328

Complementary

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



22.8407, 21.7331, 45.1106



36.1936, 39.8994, 22.9341

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.



16.2170, 21.7331, 13.7665



22.8407, 21.7331, 45.1106



21.8233, 21.7331, 9.9681

Square

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



22.8407, 21.7331, 45.1106



27.1932, 21.7331, 18.1175



18.6165, 21.7331, 10.3904



15.2617, 21.7331, 30.2399

Rectangle

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



22.8407, 21.7331, 45.1106



27.1520, 21.7331, 30.5592



18.6165, 21.7331, 10.3904



15.2898, 21.7331, 17.8923

Sweetspot

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



22.8414, 21.7339, 45.1111



64.2549, 66.2251, 85.7773



30.7429, 38.6332, 44.3652



13.8858, 14.2642, 18.9437



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.8414, 21.7339, 45.1111



36.1742, 33.1693, 80.8769



25.4996, 21.8348, 44.9905



8.1192, 8.3846, 10.6968



5.9636, 2.7277, 30.3492



0.2132, 0.1369, 0.9634

Inverse Universe

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



28.5409, 23.9033, 22.5123



48.0707, 37.9000, 33.6608



32.7086, 40.1179, 23.1600



8.5354, 8.5209, 9.0516



13.2448, 6.8155, 1.1833



0.4296, 0.2196, 0.1052

Previews

White Background



This preview shows how the XYZ color 22.8407, 21.7331, 45.1106 looks on a white background.

Color Contrast Check

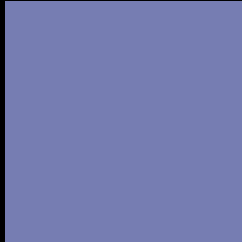
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.8407, 21.7331, 45.1106 looks on a black 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

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

XYZ 22.8407, 21.7331, 45.1106

Background



This preview shows how black text looks on a background with the XYZ color 22.8407, 21.7331, 45.1106.

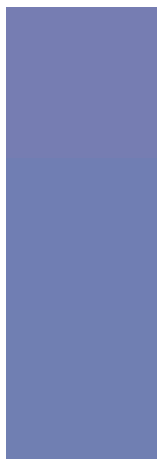


This preview shows how white text looks on a background with the XYZ color 22.8407, 21.7331,

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

22.8407, 21.7331, 45.1106

Protanopia

22.2796, 21.6211, 45.6469

Deuteranopia

22.3073, 21.8378, 45.1589



Tritanopia

19.5642, 21.7705, 28.7622

Trichromacy



Original Color

22.8407, 21.7331, 45.1106

Protanomaly

22.5370, 21.7538, 45.6589

Deuteranomaly

22.4362, 21.7135, 45.1281

Tritanomaly

20.5767, 21.5778, 34.0908

Monochromacy



Original Color

22.8407, 21.7331, 45.1106

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.4431, 21.9049, 30.7017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8407, 21.7331, 45.1106 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(118, 125, 178)` looks like.

```
.text, #text, p{  
    color:rgb(118, 125, 178)  
}
```

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(118, 125, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 125, 178) }
```

Border

The CSS property to change the border of an element to XYZ 22.8407, 21.7331, 45.1106 is called "border". The border property can be set on classes, ids or directly on the HTML element.

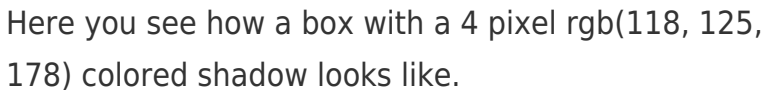
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 125, 178) }
```


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

```
.border{ border-color:rgb(118, 125, 178) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 125, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 125, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 125, 178); box-shadow:4px 4px 4px 4px rgb(118, 125, 178) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8407, 21.7331, 45.1106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 125, 178) }
```

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

```
.background{ background-color: rgb(118,  
125, 178) }
```

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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