

Converting Colors

XYZ(22.2175, 21.6580, 45.1288)

Have a look what the booklet for
XYZ(22.2175, 21.6580, 45.1288)
contains.

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Color

**XYZ(22.1788, 21.5808,
45.1160)**

Conversions

Conversions Part 1

Format	Color
Hex	707EB2
RGB	112, 126, 178
RGB Percent	44%, 49%, 70%
CMY	0.5608, 0.5059, 0.3020
CMYK	0.37, 0.29, 0.00, 0.30
HSL	227°, 30%, 57%
HSV	227°, 37%, 70%
XYZ	22.1788, 21.5808, 45.1160
YIQ	127.7420, -25.0360, 13.2040

Conversions

Conversions Part 2

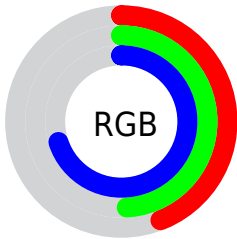
Format	Color
RYB	112, 124, 178
Decimal	7372466
CIELab	53.58, 7.91, -29.14
CIELCh	54, 30.194, 285.194
Yxy	21.5808, 0.2495, 0.2428
Android (android.graphics.Color)	4285562546 (0xFF707EB2)
YUV	127.7420, 24.7772, -13.8057
Hunter-Lab	46.4551, 3.9237, -25.0623

Details

The XYZ color **22.1788, 21.5808, 45.1160** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.5607, 37.1862, 20.6861**, and the grayscale version is **20.3523, 21.4122, 23.3179**.

A 20% lighter version of the original color is **46.6973, 46.2877, 84.3151**, and **8.2800, 7.7805, 20.4674** is the 20% darker color. If you saturate the color by 10%, you get **18.4646, 17.1883, 44.4643**, and if you desaturate by 10%, it is **26.5936, 26.7086, 45.8735**.

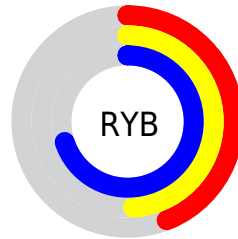
Distribution



Red (44%)

Green (49%)

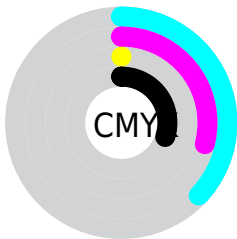
Blue (70%)



Red (44%)

Yellow (49%)

Blue (70%)

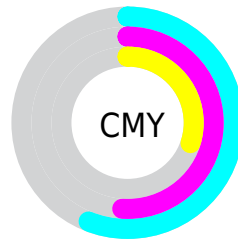


Cyan (37%)

Magenta (29%)

Yellow (0%)

Black (30%)



Cyan (56%)

Magenta (51%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1788, 21.5808, 45.1160 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 22.1788, 21.5808, 45.1160 by changing the saturation by 10% instead.

■ 22.1788, 21.5808,
45.1160

■ 22.1788, 21.5808,
45.1160

256.0934,
260.3492, 383.4170

■ 14.1057, 13.5492,
31.2052

■ 46.5180, 46.0522,
84.2147

■ 8.2764, 7.8078,
20.4954

■ 63.5148, 63.2607,
110.2398

■ 4.3256, 3.9722,
12.5680

■ 84.2168, 84.2971,
141.1399

■ 1.8879, 1.6580,
7.0045

108.9895,
109.5456, 177.3338

■ 0.5698, 0.3963,
3.3864

138.1981,
139.3906, 219.2399

■ 0.0000, 0.0000,
1.2952

172.2081,

■ 0.0000, 0.0000,

174.2167, 267.2768

0.0578

211.3847,
214.4081, 321.8629

■ 0.0000, 0.0000,
0.0000

■ 22.1788, 21.5808,
45.1160

■ 22.1788, 21.5808,
45.1160

■ 18.4646, 17.1883,
44.4643

■ 26.5936, 26.7086,
45.8735

■ 15.4119, 13.4942,
43.9122

■ 31.7410, 32.6013,
46.7396

■ 12.9810, 10.4618,
43.4550

■ 37.6535, 39.2900,
47.7190

■ 11.1268, 8.0502,
43.0872

■ 44.3610, 46.8032,
48.8157

■ 9.7978, 6.2134,
42.8027

■ 51.8920, 55.1680,
50.0333

■ 8.9240, 4.8937,
42.5941

■ 60.2733, 64.4102,
51.3755

■ 8.7213, 4.5852,
42.5452

■ 69.5306, 74.5546,
52.8457

■ 79.6885, 85.6249,
54.4471

■ 84.1557, 94.2339,
55.8733

Harmonies

Analogous

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



18.9691, 21.5808, 45.1640



22.1788, 21.5808, 45.1160



25.2288, 21.5808, 38.3502

Triad

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



22.1788, 21.5808, 45.1160



25.1948, 21.5808, 13.0236



15.0864, 21.5808, 19.2491

Complementary

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



22.1788, 21.5808, 45.1160



34.5607, 37.1862, 20.6861

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.



16.4229, 21.5808, 13.0810



22.1788, 21.5808, 45.1160



22.1362, 21.5808, 10.1798

Square

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



22.1788, 21.5808, 45.1160



27.0903, 21.5808, 19.1477



18.9307, 21.5808, 10.1976



15.0953, 21.5808, 28.4614

Rectangle

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



22.1788, 21.5808, 45.1160



26.6651, 21.5808, 31.7555



18.9307, 21.5808, 10.1976



15.3866, 21.5808, 16.8123

Sweetspot

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



22.1795, 21.5816, 45.1165



63.7003, 66.0825, 85.7790



29.2768, 37.9555, 40.7637



13.7946, 14.2806, 18.9516



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.



22.1795, 21.5816, 45.1165



34.9350, 32.8996, 80.8902



23.1444, 19.6049, 44.6841



8.1832, 8.5127, 10.7181



6.2786, 3.3576, 30.4542



0.2396, 0.1898, 0.9722

Inverse Universe

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



27.9208, 22.5604, 22.6225



46.9059, 35.3697, 33.8917



33.2032, 40.4127, 21.3805



8.5677, 8.5338, 9.2219



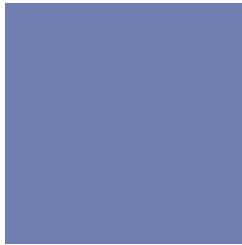
13.4038, 6.8791, 2.0205



0.4430, 0.2249, 0.1754

Previews

White Background



This preview shows how the XYZ color 22.1788, 21.5808, 45.1160 looks on a white background.

Color Contrast Check

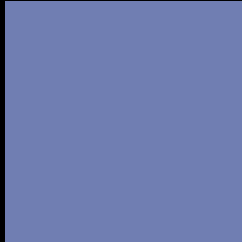
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1788, 21.5808, 45.1160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

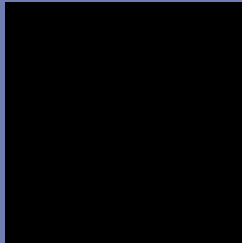
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.1788, 21.5808, 45.1160

Background



This preview shows how black text looks on a background with the XYZ color 22.1788, 21.5808, 45.1160.



This preview shows how white text looks on a background with the XYZ color 22.1788, 21.5808,

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

22.1788, 21.5808, 45.1160

Protanopia

22.1788, 21.5808, 45.1160

Deuteranopia

22.0523, 21.5156, 45.1101



Tritanopia

19.0544, 21.7013, 29.1711

Trichromacy



Original Color

22.1788, 21.5808, 45.1160

Protanomaly

22.1788, 21.5808, 45.1160

Deuteranomaly

22.0523, 21.5156, 45.1101

Tritanomaly

20.0468, 21.4914, 34.5442

Monochromacy



Original Color

22.1788, 21.5808, 45.1160

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.8037, 21.3916, 30.2267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1788, 21.5808, 45.1160 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(112, 126, 178)` looks like.

```
.text, #text, p{  
    color:rgb(112, 126, 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(112, 126, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 126, 178) }
```

Border

The CSS property to change the border of an element to XYZ 22.1788, 21.5808, 45.1160 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(112, 126, 178) }
```


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

```
.border{ border-color:rgb(112, 126, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 126, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 126, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 126, 178); box-shadow:4px 4px 4px 4px rgb(112, 126, 178) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1788, 21.5808, 45.1160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 126, 178) }
```

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

```
.background{ background-color: rgb(112,  
126, 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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