

Converting Colors

XYZ(22.5664, 22.2904, 45.2685)

Have a look what the booklet for
XYZ(22.5664, 22.2904, 45.2685)
contains.

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Color

**XYZ(22.5682, 22.3596,
45.2458)**

Conversions

Conversions Part 1

Format	Color
Hex	7081B2
RGB	112, 129, 178
RGB Percent	44%, 51%, 70%
CMY	0.5608, 0.4941, 0.3020
CMYK	0.37, 0.28, 0.00, 0.30
HSL	225°, 30%, 57%
HSV	225°, 37%, 70%
XYZ	22.5682, 22.3596, 45.2458
YIQ	129.5030, -25.8610, 11.6350

Conversions

Conversions Part 2

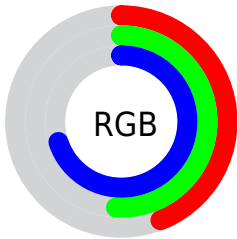
Format	Color
R _Y B	112, 126, 178
Decimal	7373234
CIE Lab	54.41, 6.14, -27.86
CIE LCh	54, 28.524, 282.429
Yxy	22.3596, 0.2503, 0.2480
Android (android.graphics.Color)	4285563314 (0xFF7081B2)
YUV	129.5030, 23.9090, -15.3501
Hunter-Lab	47.2859, 2.4425, -23.6318

Details

The XYZ color **22.5682, 22.3596, 45.2458** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.0301, 36.1251, 20.5093**, and the grayscale version is **20.9685, 22.0605, 24.0238**.

A 20% lighter version of the original color is **47.3051, 47.5034, 84.5177**, and **8.4948, 8.2101, 20.5390** is the 20% darker color. If you saturate the color by 10%, you get **18.8938, 18.0466, 44.6074**, and if you desaturate by 10%, it is **26.9170, 27.3554, 45.9813**.

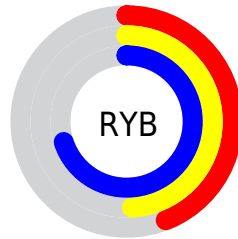
Distribution



Red (44%)

Green (51%)

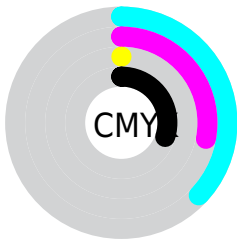
Blue (70%)



Red (44%)

Yellow (49%)

Blue (70%)

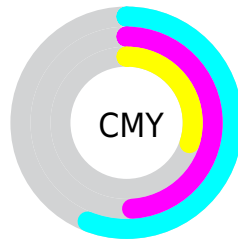


Cyan (37%)

Magenta (28%)

Yellow (0%)

Black (30%)



Cyan (56%)

Magenta (49%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5682, 22.3596, 45.2458 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 22.5682, 22.3596, 45.2458 by changing the saturation by 10% instead.

■ 22.5682, 22.3596,
45.2458

■ 22.5682, 22.3596,
45.2458

258.0763,
264.4185, 383.9573

■ 14.3939, 14.1214,
31.3067

■ 47.1552, 47.3396,
84.4115

■ 8.4787, 8.2051,
20.5721

■ 64.2987, 64.8502,
110.4752

■ 4.4571, 4.2265,
12.6234

■ 85.1626, 86.2204,
141.4175

■ 1.9638, 1.8010,
7.0421

110.1123,
111.8345, 177.6570

■ 0.6135, 0.4878,
3.4096

139.5132,
142.0769, 219.6121

■ 0.0000, 0.0000,
1.3074

173.7306,

■ 0.0000, 0.0000,

177.3322, 267.7016

0.0678

213.1298,
217.9846, 322.3437

■ 0.0000, 0.0000,
0.0000

■ 22.5682, 22.3596,
45.2458

■ 22.5682, 22.3596,
45.2458

■ 18.8938, 18.0466,
44.6074

■ 26.9170, 27.3554,
45.9813

■ 15.8563, 14.3830,
44.0603

■ 31.9705, 33.0603,
46.8161

■ 13.4183, 11.3364,
43.6008

■ 37.7595, 39.5021,
47.7544

■ 11.5368, 8.8702,
43.2239

■ 44.3126, 46.7064,
48.7995

■ 10.1628, 6.9435,
42.9244

■ 51.6568, 54.6975,
49.9549

■ 9.2294, 5.5046,
42.6959

■ 59.8176, 63.4988,
51.2236

■ 9.0071, 5.1566,
42.6404

■ 68.8195, 73.1325,
52.6086

■ 78.6860, 83.6199,
54.1129

■ 82.8245, 91.5715,
55.4296

Harmonies

Analogous

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



19.4939, 22.3596, 44.6462



22.5682, 22.3596, 45.2458



25.5570, 22.3596, 39.3374

Triad

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



22.5682, 22.3596, 45.2458



25.9892, 22.3596, 14.5055



16.0358, 22.3596, 19.5237

Complementary

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



22.5682, 22.3596, 45.2458



34.0301, 36.1251, 20.5093

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.



17.4601, 22.3596, 13.7483



22.5682, 22.3596, 45.2458



23.1130, 22.3596, 11.3759

Square

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



22.5682, 22.3596, 45.2458



27.6578, 22.3596, 20.8356



19.9882, 22.3596, 11.1376



15.9208, 22.3596, 28.2297

Rectangle

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



22.5682, 22.3596, 45.2458



27.0190, 22.3596, 33.1844



19.9882, 22.3596, 11.1376



16.3704, 22.3596, 17.2350

Sweetspot

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



22.5690, 22.3605, 45.2463



63.9913, 66.6645, 85.8760



28.9833, 37.8381, 39.2179



13.8657, 14.4229, 18.9753



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.



22.5690, 22.3605, 45.2463



35.7006, 34.4308, 81.1454



22.6429, 19.3463, 44.6606



8.2140, 8.5742, 10.7284



6.4888, 3.7780, 30.5242



0.2522, 0.2150, 0.9764

Inverse Universe

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



28.1173, 22.6390, 23.6575



47.2924, 35.5243, 35.9267



33.8680, 40.7555, 21.4116



8.5832, 8.5400, 9.3037



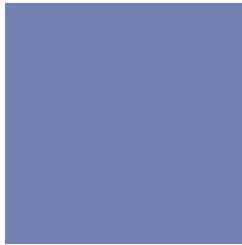
13.5099, 6.9215, 2.5792



0.4493, 0.2275, 0.2088

Previews

White Background



This preview shows how the XYZ color 22.5682, 22.3596, 45.2458 looks on a white background.

Color Contrast Check

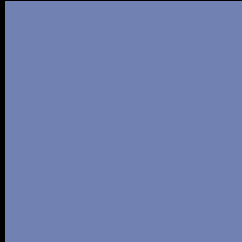
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5682, 22.3596, 45.2458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

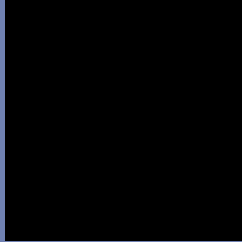
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

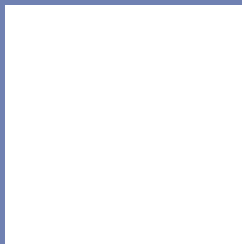
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.5682, 22.3596, 45.2458

Background



This preview shows how black text looks on a background with the XYZ color 22.5682, 22.3596, 45.2458.



This preview shows how white text looks on a background with the XYZ color 22.5682, 22.3596,

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

22.5682, 22.3596, 45.2458

Protanopia

22.7252, 22.2575, 44.6934

Deuteranopia

22.8253, 22.2975, 45.2203



Tritanopia

19.5612, 22.3463, 30.4764

Trichromacy



Original Color

22.5682, 22.3596, 45.2458

Protanomaly

22.5944, 22.1901, 44.6872

Deuteranomaly

22.6945, 22.2301, 45.2142

Tritanomaly

20.6225, 22.3695, 35.5786

Monochromacy



Original Color

22.5682, 22.3596, 45.2458

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.4175, 22.2828, 30.7760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5682, 22.3596, 45.2458 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, 129, 178)` looks like.

```
.text, #text, p{  
    color:rgb(112, 129, 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, 129, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 129, 178) }
```

Border

The CSS property to change the border of an element to XYZ 22.5682, 22.3596, 45.2458 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, 129, 178) }
```


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

```
.border{ border-color:rgb(112, 129, 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, 129, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 129, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 129, 178);  
box-shadow:4px 4px 4px 4px rgb(112, 129,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5682, 22.3596, 45.2458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 129, 178) }
```

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

```
.background{ background-color: rgb(112,  
129, 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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