

Converting Colors

XYZ(21.9771, 21.3877, 46.1977)

Have a look what the booklet for
XYZ(21.9771, 21.3877, 46.1977)
contains.

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Color

**XYZ(22.0057, 21.4682,
46.1640)**

Conversions

Conversions Part 1

Format	Color
Hex	6D7EB4
RGB	109, 126, 180
RGB Percent	43%, 49%, 71%
CMY	0.5725, 0.5059, 0.2941
CMYK	0.39, 0.30, 0.00, 0.29
HSL	226°, 32%, 57%
HSV	226°, 39%, 71%
XYZ	22.0057, 21.4682, 46.1640
YIQ	127.0730, -27.4660, 13.1900

Conversions

Conversions Part 2

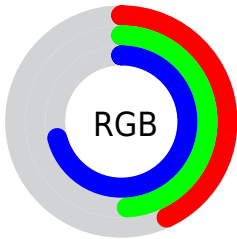
Format	Color
R _Y B	109, 123, 180
Decimal	7175860
CIE Lab	53.46, 7.63, -30.49
CIE LCh	53, 31.434, 284.053
Yxy	21.4682, 0.2455, 0.2395
Android (android.graphics.Color)	4285365940 (0xFF6D7EB4)
YUV	127.0730, 26.0930, -15.8500
Hunter-Lab	46.3338, 3.6924, -26.6391

Details

The XYZ color **22.0057, 21.4682, 46.1640** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.6804, 37.0023, 19.7830**, and the grayscale version is **20.1184, 21.1661, 23.0499**.

A 20% lighter version of the original color is **46.1650, 45.6834, 85.7415**, and **8.1720, 7.7099, 21.1361** is the 20% darker color. If you saturate the color by 10%, you get **18.3816, 17.1770, 45.5271**, and if you desaturate by 10%, it is **26.3243, 26.4740, 46.9030**.

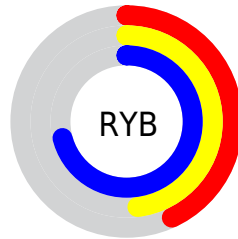
Distribution



Red (43%)

Green (49%)

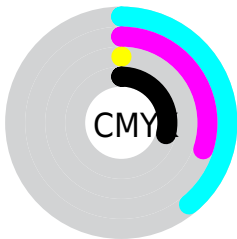
Blue (71%)



Red (43%)

Yellow (48%)

Blue (71%)

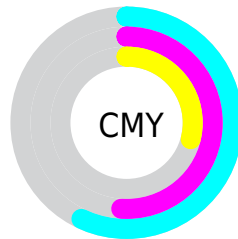


Cyan (39%)

Magenta (30%)

Yellow (0%)

Black (29%)



Cyan (57%)

Magenta (51%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0057, 21.4682, 46.1640 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 22.0057, 21.4682, 46.1640 by changing the saturation by 10% instead.

■ 22.0057, 21.4682,
46.1640

■ 22.0057, 21.4682,
46.1640

255.2078,
259.7564, 387.7643

■ 13.9777, 13.4667,
32.0257

■ 46.2342, 45.8655,
85.8013

■ 8.1868, 7.7507,
21.1161

■ 63.1654, 63.0300,
112.1372

■ 4.2675, 3.9358,
13.0168

■ 83.7951, 84.0176,
143.3762

■ 1.8546, 1.6377,
7.3093

■ 108.4886,
109.2128, 179.9366

■ 0.5502, 0.3828,
3.5749

137.6113,
138.9998, 222.2371

■ 0.0000, 0.0000,
1.3952

171.5285,

■ 0.0000, 0.0000,

173.7632, 270.6962

0.1379

210.6055,
213.8872, 325.7324

■ 0.0000, 0.0000,
0.0000

■ 22.0057, 21.4682,
46.1640

■ 22.0057, 21.4682,
46.1640

■ 18.3816, 17.1770,
45.5271

■ 26.3243, 26.4740,
46.9030

■ 15.4123, 13.5641,
44.9863

■ 31.3698, 32.2232,
47.7468

■ 13.0571, 10.5939,
44.5371

■ 37.1752, 38.7463,
48.6999

■ 11.2700, 8.2260,
44.1742

■ 43.7707, 46.0709,
49.7660

■ 9.9975, 6.4149,
43.8917

■ 51.1851, 54.2234,
50.9489

■ 9.1464, 5.0928,
43.6814

■ 59.4453, 63.2291,
52.2518

■ 9.1058, 5.0303,
43.6715

■ 68.5773, 73.1121,
53.6781

■ 78.6059, 83.8955,
55.2309

■ 83.4201, 92.4389,
56.6262

Harmonies

Analogous

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



18.6895, 21.4682, 45.9167



22.0057, 21.4682, 46.1640



25.2081, 21.4682, 39.2568

Triad

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



22.0057, 21.4682, 46.1640



25.3814, 21.4682, 12.7701



14.8279, 21.4682, 18.6740

Complementary

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



22.0057, 21.4682, 46.1640



34.6804, 37.0023, 19.7830

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.



16.2542, 21.4682, 12.4849



22.0057, 21.4682, 46.1640



22.2221, 21.4682, 9.7676

Square

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



22.0057, 21.4682, 46.1640



27.2963, 21.4682, 19.1844



18.8836, 21.4682, 9.6799



14.7835, 21.4682, 28.1359

Rectangle

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



22.0057, 21.4682, 46.1640



26.7471, 21.4682, 32.3893



18.8836, 21.4682, 9.6799



15.1540, 21.4682, 16.2110

Sweetspot

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



22.0064, 21.4690, 46.1645



64.3576, 66.8446, 87.8049



29.1724, 38.5118, 40.1956



13.6140, 14.1156, 18.9293



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.



22.0064, 21.4690, 46.1645



34.3234, 32.3347, 82.7268



22.4227, 18.7262, 45.6131



8.2017, 8.5496, 10.7243



6.4000, 3.6004, 30.4946



0.2472, 0.2049, 0.9748

Inverse Universe

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



28.0575, 22.1476, 22.5356



46.9438, 34.3202, 33.3174



34.0333, 41.4547, 20.6765



8.5770, 8.5375, 9.2710



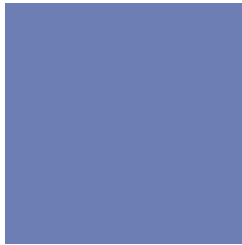
13.4651, 6.9036, 2.3431



0.4468, 0.2265, 0.1955

Previews

White Background



This preview shows how the XYZ color 22.0057, 21.4682, 46.1640 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 22.0057, 21.4682, 46.1640 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

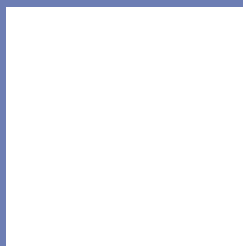
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.0057, 21.4682, 46.1640

Background



This preview shows how black text looks on a background with the XYZ color 22.0057, 21.4682, 46.1640.

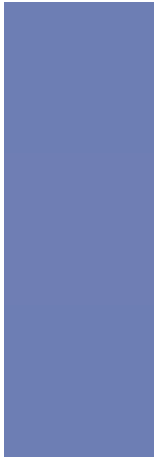


This preview shows how white text looks on a background with the XYZ color 22.0057, 21.4682,

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

22.0057, 21.4682, 46.1640

Protanopia

22.2546, 21.5965, 46.1756

Deuteranopia

22.0057, 21.4682, 46.1640



Tritanopia

18.6771, 21.4980, 29.5507

Trichromacy



Original Color

22.0057, 21.4682, 46.1640

Protanomaly

22.1295, 21.5320, 46.1698

Deuteranomaly

22.0057, 21.4682, 46.1640

Tritanomaly

19.6620, 21.2831, 34.9701

Monochromacy



Original Color

22.0057, 21.4682, 46.1640

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.5234, 21.2471, 30.2135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0057, 21.4682, 46.1640 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(109, 126, 180)` looks like.

```
.text, #text, p{  
    color:rgb(109, 126, 180)  
}
```

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(109, 126, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 126, 180) }
```

Border

The CSS property to change the border of an element to XYZ 22.0057, 21.4682, 46.1640 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(109, 126, 180) }
```


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

```
.border{ border-color:rgb(109, 126, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 126, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 126, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 126, 180);  
box-shadow:4px 4px 4px 4px rgb(109, 126,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0057, 21.4682, 46.1640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 126, 180) }
```

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

```
.background{ background-color: rgb(109,  
126, 180) }
```

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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