

Converting Colors

XYZ(22.5889, 18.8345, 69.9416)

Have a look what the booklet for
XYZ(22.5889, 18.8345, 69.9416)
contains.

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Color

**XYZ(22.5502, 18.7341,
70.1377)**

Conversions

Conversions Part 1

Format	Color
Hex	5670DC
RGB	86, 112, 220
RGB Percent	34%, 44%, 86%
CMY	0.6627, 0.5608, 0.1373
CMYK	0.61, 0.49, 0.00, 0.14
HSL	228°, 66%, 60%
HSV	228°, 61%, 86%
XYZ	22.5502, 18.7341, 70.1377
YIQ	116.5380, -50.1640, 28.0760

Conversions

Conversions Part 2

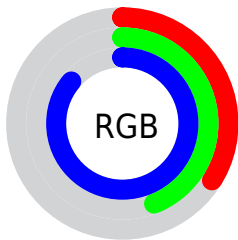
Format	Color
R_{YB}	86, 108, 220
Decimal	5664988
CIE _{Lab}	50.37, 23.44, -58.29
CIE _{LCh}	50, 62.823, 291.903
Yxy	18.7341, 0.2024, 0.1681
Android (android.graphics.Color)	4283855068 (0xFF5670DC)
YUV	116.5380, 51.0068, -26.7818
Hunter-Lab	43.2829, 17.2526, -65.7783

Details

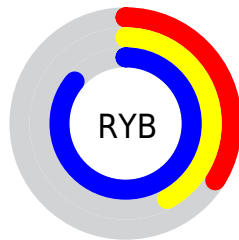
The XYZ color **22.5502, 18.7341, 70.1377** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **50.4887, 54.4743, 16.6591**, and the grayscale version is **16.6256, 17.4914, 19.0482**.

A 20% lighter version of the original color is **43.0013, 39.5254, 99.9705**, and **8.5911, 6.4609, 35.9162** is the 20% darker color. If you saturate the color by 10%, you get **19.0598, 14.3109, 69.4683**, and if you desaturate by 10%, it is **27.0507, 24.2503, 70.9657**.

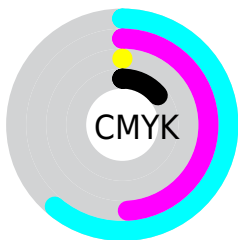
Distribution



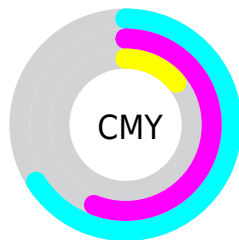
- Red (34%)
- Green (44%)
- Blue (86%)



- Red (34%)
- Yellow (42%)
- Blue (86%)



- Cyan (61%)
- Magenta (49%)
- Yellow (0%)
- Black (14%)



- Cyan (66%)
- Magenta (56%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5502, 18.7341, 70.1377 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 22.5502, 18.7341, 70.1377 by changing the saturation by 10% instead.

■ 22.5502, 18.7341,
70.1377

■ 22.5502, 18.7341,
70.1377

257.9849,
244.9769, 479.8355

■ 14.3806, 11.4783,
51.1613

■ 47.1258, 41.2843,
121.0881

■ 8.4693, 6.3895,
35.9594

■ 64.2625, 57.3475,
153.8991

■ 4.4510, 3.0833,
24.1134

■ 85.1190, 77.1153,
192.1588

■ 1.9603, 1.1754,
15.2048

■ 110.0605,
100.9721, 236.2856

■ 0.6115, 0.0415,
8.8150

139.4526,
129.3022, 286.6982

■ 0.0000, 0.0000,
4.5256

173.6604,

■ 0.0000, 0.0000,

162.4901, 343.8150

1.9179

213.0494,
200.9202, 408.0546

■ 0.0000, 0.0000,
0.5041

■ 0.0000, 0.0000,
0.0000

■ 22.5502, 18.7341,
70.1377

■ 22.5502, 18.7341,
70.1377

■ 19.0598, 14.3109,
69.4683

■ 27.0507, 24.2503,
70.9657

■ 16.4951, 10.9029,
68.9457

■ 32.6316, 30.9262,
71.9601

■ 14.7609, 8.4240,
68.5586

■ 39.3594, 38.8250,
73.1301

■ 13.7706, 6.8718,
68.3112

■ 47.2945, 48.0048,
74.4838

■ 56.4931, 58.5199,
76.0286

■ 67.0077, 70.4214,
77.7716

■ 78.8879, 83.7576,
79.7196

■ 89.5553, 97.2212,
81.7561

■ 89.9184, 97.9473,
81.8771

Harmonies

Analogous

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



16.2047, 18.7341, 75.0078



22.5502, 18.7341, 70.1377



28.7244, 18.7341, 48.9382

Triad

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



22.5502, 18.7341, 70.1377



26.0683, 18.7341, 3.7376



8.5349, 18.7341, 16.0232

Complementary

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



22.5502, 18.7341, 70.1377



50.4887, 54.4743, 16.6591

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.



10.0784, 18.7341, 5.8990



22.5502, 18.7341, 70.1377



19.5099, 18.7341, 1.9406

Square

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



22.5502, 18.7341, 70.1377



31.0573, 18.7341, 10.2575



13.7791, 18.7341, 2.4096



8.9897, 18.7341, 35.6717

Rectangle

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



22.5502, 18.7341, 70.1377



31.4451, 18.7341, 32.7136



13.7791, 18.7341, 2.4096



8.8218, 18.7341, 11.6416

Sweetspot

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



22.5510, 18.7347, 70.1382



69.4453, 70.9350, 104.6394



39.0800, 57.0248, 59.5174



14.0989, 14.3045, 22.2679



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.



22.5510, 18.7347, 70.1382



25.5413, 18.5751, 96.8469



24.8812, 16.2753, 69.5407



12.5421, 13.0240, 16.5050



8.1434, 4.1561, 40.1114



0.5878, 0.3898, 2.6187

Inverse Universe

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



35.7684, 23.0423, 17.8919



45.9068, 26.5170, 16.0531



46.0498, 61.5384, 18.2566



13.1588, 13.0926, 14.0973



17.6057, 9.0433, 2.3038



1.1710, 0.5980, 0.3094

Previews

White Background



This preview shows how the XYZ color 22.5502, 18.7341, 70.1377 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 22.5502, 18.7341, 70.1377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

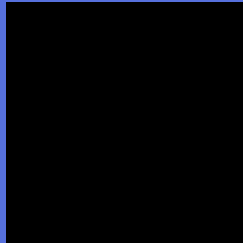
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.5502, 18.7341, 70.1377

Background



This preview shows how black text looks on a background with the XYZ color 22.5502, 18.7341, 70.1377.



This preview shows how white text looks on a background with the XYZ color 22.5502, 18.7341,

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

22.5502, 18.7341, 70.1377

Protanopia

21.6244, 18.8647, 73.0225

Deuteranopia

19.2253, 18.8254, 66.9104



Tritanopia

14.1429, 18.7841, 28.0796

Trichromacy



Original Color

22.5502, 18.7341, 70.1377

Protanomaly

21.9758, 18.8913, 72.3002

Deuteranomaly

19.5679, 18.2579, 68.1384

Tritanomaly

16.4500, 18.3417, 40.7035

Monochromacy



Original Color

22.5502, 18.7341, 70.1377

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.9073, 17.6587, 33.0365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5502, 18.7341, 70.1377 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(86, 112, 220)` looks like.

```
.text, #text, p{  
    color:rgb(86, 112, 220)  
}
```

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(86, 112, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 112, 220) }
```

Border

The CSS property to change the border of an element to XYZ 22.5502, 18.7341, 70.1377 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(86, 112, 220) }
```


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

```
.border{ border-color:rgb(86, 112, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 112, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 112, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 112, 220);  
box-shadow:4px 4px 4px 4px rgb(86, 112,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5502, 18.7341, 70.1377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 112, 220) }
```

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

```
.background{ background-color: rgb(86, 112,  
220) }
```

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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