

Converting Colors

XYZ(21.4070, 22.1399, 57.0706)

Have a look what the booklet for
XYZ(21.4070, 22.1399, 57.0706)
contains.

XYZ(21.3841, 22.0819, 57.1680)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.3841, 22.0819,
57.1680)**

Conversions

Conversions Part 1

Format	Color
Hex	4A84C7
RGB	74, 132, 199
RGB Percent	29%, 52%, 78%
CMY	0.7098, 0.4823, 0.2196
CMYK	0.63, 0.34, 0.00, 0.22
HSL	212°, 53%, 54%
HSV	212°, 63%, 78%
XYZ	21.3841, 22.0819, 57.1680
YIQ	122.2960, -56.0750, 8.5410

Conversions

Conversions Part 2

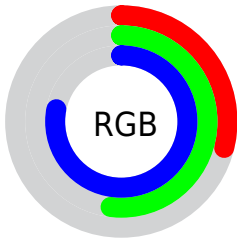
Format	Color
R_{YB}	74, 114, 199
Decimal	4883655
CIE Lab	54.11, 1.89, -40.46
CIE LCh	54, 40.505, 272.672
Yxy	22.0819, 0.2125, 0.2194
Android (android.graphics.Color)	4283073735 (0xFF4A84C7)
YUV	122.2960, 37.8151, -42.3556
Hunter-Lab	46.9914, -1.0059, -39.2361

Details

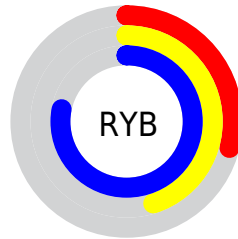
The XYZ color **21.3841, 22.0819, 57.1680** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **34.3154, 31.6881, 10.7875**, and the grayscale version is **18.4896, 19.4525, 21.1838**.

A 20% lighter version of the original color is **45.0718, 46.9045, 101.2857**, and **8.2041, 8.2308, 27.9444** is the 20% darker color. If you saturate the color by 10%, you get **18.7141, 18.6671, 56.6501**, and if you desaturate by 10%, it is **24.6882, 26.0438, 57.7590**.

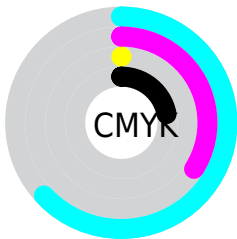
Distribution



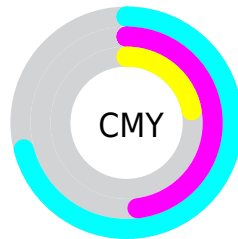
- Red (29%)
- Green (52%)
- Blue (78%)



- Red (29%)
- Yellow (45%)
- Blue (78%)



- Cyan (63%)
- Magenta (34%)
- Yellow (0%)
- Black (22%)



- Cyan (71%)
- Magenta (48%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3841, 22.0819, 57.1680 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 21.3841, 22.0819, 57.1680 by changing the saturation by 10% instead.

■ 21.3841, 22.0819,
57.1680

■ 21.3841, 22.0819,
57.1680

252.0060,
262.9737, 431.5899

■ 13.5191, 13.9171,
40.7299

■ 45.2124, 46.8813,
102.2130

■ 7.8664, 8.0630,
27.7900

■ 61.9064, 64.2847,
131.6571

■ 4.0607, 4.1353,
17.9297

■ 82.2741, 85.5364,
166.2734

■ 1.7365, 1.7495,
10.7306

■ 106.6809,
111.0209, 206.4807

■ 0.4790, 0.4554,
5.7741

■ 135.4922,
141.1224, 252.6975

■ 0.0000, 0.0000,
2.6417

169.0732,

■ 0.0000, 0.0000,

176.2255, 305.3422

0.9138

207.7894,
216.7144, 364.8335

■ 0.0000, 0.0000,
0.0000

■ 21.3841, 22.0819,
57.1680

■ 21.3841, 22.0819,
57.1680

■ 18.7141, 18.6671,
56.6501

■ 24.6882, 26.0438,
57.7590

■ 16.6237, 15.7637,
56.1998

■ 28.6694, 30.5804,
58.4249

■ 15.0521, 13.3340,
55.8137

■ 33.3696, 35.7195,
59.1691

■ 14.1649, 11.8356,
55.5712

■ 38.8262, 41.4863,
59.9946

■ 45.0741, 47.9042,
60.9041

■ 52.1456, 54.9955,
61.9001

■ 60.0714, 62.7812,
62.9852

■ 68.8804, 71.2812,
64.1615

■ 78.6002, 80.5147,
65.4315

Harmonies

Analogous

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



17.3475, 22.0819, 52.5405



21.3841, 22.0819, 57.1680



25.8814, 22.0819, 50.6657

Triad

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



21.3841, 22.0819, 57.1680



28.9235, 22.0819, 13.2141



14.3483, 22.0819, 14.5673

Complementary

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



21.3841, 22.0819, 57.1680



34.3154, 31.6881, 10.7875

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.



16.7542, 22.0819, 8.8976



21.3841, 22.0819, 57.1680



25.1056, 22.0819, 8.3294

Square

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



21.3841, 22.0819, 57.1680



30.5970, 22.0819, 22.9341



20.5972, 22.0819, 7.0801



13.6366, 22.0819, 25.1879

Rectangle

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



21.3841, 22.0819, 57.1680



28.4393, 22.0819, 41.8780



20.5972, 22.0819, 7.0801



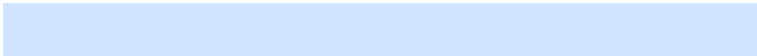
14.9674, 22.0819, 12.1641

Sweetspot

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



21.3849, 22.0827, 57.1686



71.6842, 76.4759, 105.5909



28.0313, 44.2166, 32.1281



14.6894, 15.6919, 22.5046



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.



21.3849, 22.0827, 57.1686



31.4555, 30.9164, 98.9173



15.9142, 10.6490, 55.2500



10.4555, 11.0850, 13.5061



9.1941, 7.7822, 35.7619



0.5076, 0.5131, 1.7174

Inverse Universe

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



30.1676, 18.7066, 23.8511



48.7668, 27.1816, 32.5914



44.1227, 52.9217, 14.3691



10.8352, 10.7175, 12.1154



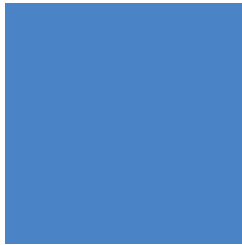
16.4401, 8.3256, 7.5274



0.8149, 0.4088, 0.5486

Previews

White Background



This preview shows how the XYZ color 21.3841, 22.0819, 57.1680 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 21.3841, 22.0819, 57.1680 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 21.3841, 22.0819, 57.1680

Background



This preview shows how black text looks on a background with the XYZ color 21.3841, 22.0819, 57.1680.



This preview shows how white text looks on a background with the XYZ color 21.3841, 22.0819,

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

21.3841, 22.0819, 57.1680

Protanopia

23.0242, 21.8200, 54.0371

Deuteranopia

22.6892, 22.1460, 57.7223



Tritanopia

16.5900, 22.0278, 33.5144

Trichromacy



Original Color

21.3841, 22.0819, 57.1680

Protanomaly

22.2991, 21.8035, 55.2578

Deuteranomaly

22.1543, 22.0667, 57.7352

Tritanomaly

18.1478, 22.0090, 41.3219

Monochromacy



Original Color

21.3841, 22.0819, 57.1680

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.7916, 20.1270, 31.7486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3841, 22.0819, 57.1680 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(74, 132, 199)` looks like.

```
.text, #text, p{  
    color:rgb(74, 132, 199)  
}
```

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(74, 132, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 132, 199) }
```

Border

The CSS property to change the border of an element to XYZ 21.3841, 22.0819, 57.1680 is called "border". The border property can be set on classes, ids or directly on the HTML element.

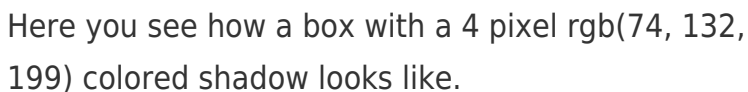
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(74, 132, 199) }
```


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

```
.border{ border-color:rgb(74, 132, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(74, 132, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(74, 132, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(74, 132, 199); box-shadow:4px 4px 4px 4px rgb(74, 132, 199) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3841, 22.0819, 57.1680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 132, 199) }
```

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

```
.background{ background-color: rgb(74, 132,  
199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor