

Converting Colors

XYZ(21.5586, 23.8310, 59.6159)

Have a look what the booklet for
XYZ(21.5586, 23.8310, 59.6159)
contains.

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Color

**XYZ(21.5070, 23.7773,
59.3331)**

Conversions

Conversions Part 1

Format	Color
Hex	358CCA
RGB	53, 140, 202
RGB Percent	21%, 55%, 79%
CMY	0.7921, 0.4510, 0.2078
CMYK	0.74, 0.31, 0.00, 0.21
HSL	205°, 58%, 50%
HSV	205°, 74%, 79%
XYZ	21.5070, 23.7773, 59.3331
YIQ	121.0550, -71.7540, 0.8380

Conversions

Conversions Part 2

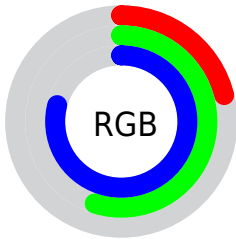
Format	Color
R_{YB}	53, 108, 202
Decimal	3509450
CIE _{Lab}	55.86, -5.07, -39.46
CIE _{LCh}	56, 39.780, 262.671
Yxy	23.7773, 0.2056, 0.2273
Android (android.graphics.Color)	4281699530 (0xFF358CCA)
YUV	121.0550, 39.9059, -59.6842
Hunter-Lab	48.7620, -6.6041, -38.0101

Details

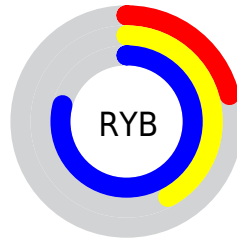
The XYZ color **21.5070, 23.7773, 59.3331** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **31.1322, 25.0779, 6.5692**, and the grayscale version is **18.0848, 19.0267, 20.7200**.

A 20% lighter version of the original color is **44.5912, 49.2115, 101.7563**, and **9.0015, 9.4504, 29.3667** is the 20% darker color. If you saturate the color by 10%, you get **19.4785, 20.9776, 58.9001**, and if you desaturate by 10%, it is **24.0784, 26.9969, 59.8195**.

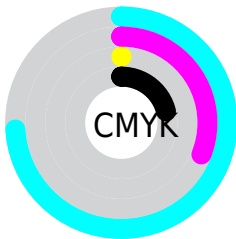
Distribution



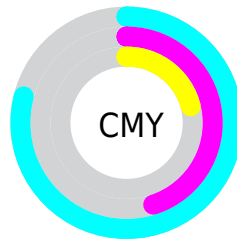
- Red (21%)
- Green (55%)
- Blue (79%)



- Red (21%)
- Yellow (42%)
- Blue (79%)



- Cyan (74%)
- Magenta (31%)
- Yellow (0%)
- Black (21%)



- Cyan (79%)
- Magenta (45%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5070, 23.7773, 59.3331 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 21.5070, 23.7773, 59.3331 by changing the saturation by 10% instead.

■ 21.5070, 23.7773,
59.3331

■ 21.5070, 23.7773,
59.3331

252.6418,
271.6926, 439.8714

■ 13.6097, 15.1685,
42.4595

■ 45.4148, 49.6665,
105.3955

■ 7.9296, 8.9377,
29.1330

■ 62.1559, 67.7158,
135.4215

■ 4.1013, 4.7006,
18.9350

■ 82.5757, 89.6806,
170.6686

■ 1.7596, 2.0727,
11.4470

■ 107.0395,
115.9454, 211.5555

■ 0.4932, 0.6492,
6.2504

■ 135.9126,
146.8947, 258.5007

■ 0.0000, 0.0000,
2.9267

169.5605,

■ 0.0000, 0.0000,

182.9127, 311.9227

1.0573

208.3485,
224.3839, 372.2401

■ 0.0000, 0.0000,
0.0000

■ 21.5070, 23.7773,
59.3331

■ 21.5070, 23.7773,
59.3331

■ 19.4785, 20.9776,
58.9001

■ 24.0784, 26.9969,
59.8195

■ 17.9276, 18.5599,
58.5152

■ 27.2422, 30.6638,
60.3606

■ 17.1323, 17.2074,
58.2960

■ 31.0446, 34.8052,
60.9595

■ 35.5261, 39.4447,
61.6188

■ 40.7239, 44.6042,
62.3408

■ 46.6720, 50.3039,
63.1274

■ 53.4022, 56.5629,
63.9808

■ 60.9446, 63.3992,
64.9028

■ 69.3274, 70.8297,
65.8952

Harmonies

Analogous

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



17.7203, 23.7773, 51.2104



21.5070, 23.7773, 59.3331



26.1244, 23.7773, 56.3882

Triad

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



21.5070, 23.7773, 59.3331



31.6234, 23.7773, 17.4185



16.3591, 23.7773, 13.5213

Complementary

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



21.5070, 23.7773, 59.3331



31.1322, 25.0779, 6.5692

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.



19.4070, 23.7773, 9.0236



21.5070, 23.7773, 59.3331



28.3012, 23.7773, 10.6925

Square

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



21.5070, 23.7773, 59.3331



32.3820, 23.7773, 29.2025



23.7286, 23.7773, 8.1969



15.0171, 23.7773, 22.8370

Rectangle

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



21.5070, 23.7773, 59.3331



29.0296, 23.7773, 48.8923



23.7286, 23.7773, 8.1969



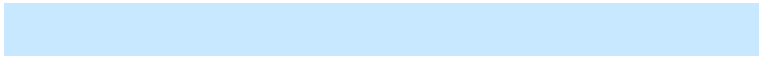
17.1970, 23.7773, 11.5426

Sweetspot

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



21.5079, 23.7781, 59.3337



70.3362, 76.8676, 105.7375



25.5481, 44.1821, 22.6886



14.4996, 15.9118, 22.5570



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.



21.5079, 23.7781, 59.3337



31.1981, 32.8032, 99.2951



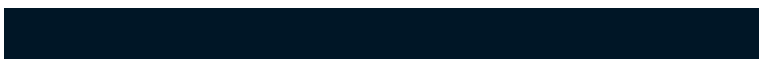
14.1913, 9.1450, 56.8948



11.1368, 11.9140, 14.2830



11.1140, 11.2520, 37.5424



0.6472, 0.7282, 1.9614

Inverse Universe

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



30.3647, 16.9975, 26.4919



48.0506, 24.6505, 35.7399



42.7922, 48.3978, 10.4559



11.4824, 11.3217, 13.0749



17.8207, 8.9389, 12.0406



0.9566, 0.4761, 0.8175

Previews

White Background



This preview shows how the XYZ color 21.5070, 23.7773, 59.3331 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 21.5070, 23.7773, 59.3331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

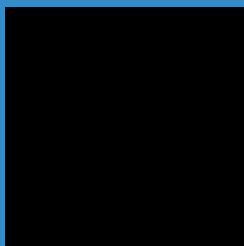
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

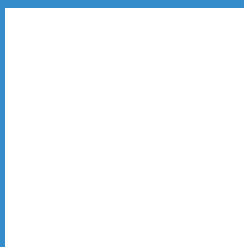
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.5070, 23.7773, 59.3331

Background



This preview shows how black text looks on a background with the XYZ color 21.5070, 23.7773, 59.3331.

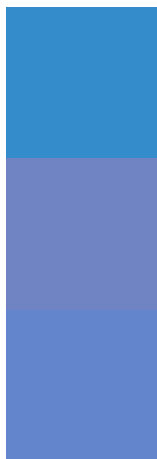


This preview shows how white text looks on a background with the XYZ color 21.5070, 23.7773,

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

21.5070, 23.7773, 59.3331

Protanopia

24.5360, 23.5724, 54.2957

Deuteranopia

24.3236, 23.7314, 60.4254



Tritanopia

16.9351, 23.7179, 36.9431

Trichromacy



Original Color

21.5070, 23.7773, 59.3331

Protanomaly

22.9175, 23.3056, 56.1139

Deuteranomaly

23.0633, 23.7140, 59.8616

Tritanomaly

18.1318, 23.4844, 44.1347

Monochromacy



Original Color

21.5070, 23.7773, 59.3331

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.0481, 20.1271, 31.7879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5070, 23.7773, 59.3331 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(53, 140, 202)` looks like.

```
.text, #text, p{  
    color:rgb(53, 140, 202)  
}
```

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(53, 140, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 140, 202) }
```

Border

The CSS property to change the border of an element to XYZ 21.5070, 23.7773, 59.3331 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(53, 140, 202) }
```


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

```
.border{ border-color:rgb(53, 140, 202) }
```

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

Here you see how a box with a 4 pixel rgb(53, 140, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 140, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 140, 202);  
box-shadow:4px 4px 4px 4px rgb(53, 140,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5070, 23.7773, 59.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 140, 202) }
```

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

```
.background{ background-color: rgb(53, 140,  
202) }
```

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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