

Converting Colors

XYZ(22.3335, 21.3416, 39.7245)

Have a look what the booklet for
XYZ(22.3335, 21.3416, 39.7245)
contains.

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Color

**XYZ(22.3511, 21.4163,
39.5149)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7CA7
RGB	123, 124, 167
RGB Percent	48%, 49%, 65%
CMY	0.5176, 0.5137, 0.3451
CMYK	0.26, 0.26, 0.00, 0.35
HSL	239°, 20%, 57%
HSV	239°, 26%, 65%
XYZ	22.3511, 21.4163, 39.5149
YIQ	128.6030, -14.3990, 13.1610

Conversions

Conversions Part 2

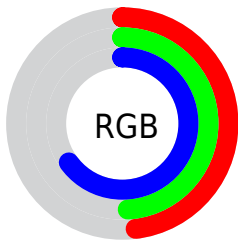
Format	Color
R _Y B	123, 124, 167
Decimal	8092839
CIE Lab	53.40, 9.47, -23.00
CIE LCh	53, 24.874, 292.385
Yxy	21.4163, 0.2684, 0.2572
Android (android.graphics.Color)	4286282919 (0xFF7B7CA7)
YUV	128.6030, 18.9297, -4.9138
Hunter-Lab	46.2777, 5.2254, -18.2312

Details

The XYZ color **22.3511, 21.4163, 39.5149** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.1480, 36.9182, 24.1185**, and the grayscale version is **20.6678, 21.7441, 23.6793**.

A 20% lighter version of the original color is **46.6146, 45.5547, 75.4433**, and **8.3582, 7.6864, 17.2628** is the 20% darker color. If you saturate the color by 10%, you get **18.2841, 16.5310, 38.7867**, and if you desaturate by 10%, it is **27.1656, 27.1904, 40.3760**.

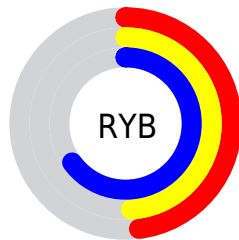
Distribution



Red (48%)

Green (49%)

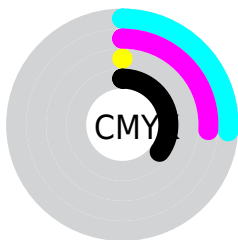
Blue (65%)



Red (48%)

Yellow (49%)

Blue (65%)

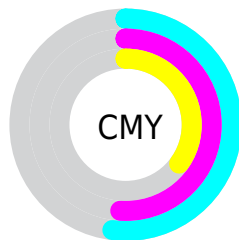


Cyan (26%)

Magenta (26%)

Yellow (0%)

Black (35%)



Cyan (52%)

Magenta (51%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3511, 21.4163, 39.5149 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 22.3511, 21.4163, 39.5149 by changing the saturation by 10% instead.

■ 22.3511, 21.4163,
39.5149

■ 22.3511, 21.4163,
39.5149

256.9724,
259.4827, 359.5658

■ 14.2332, 13.4286,
26.8496

■ 46.8002, 45.7794,
75.6532

■ 8.3658, 7.7244,
17.2289

■ 63.8620, 62.9235,
99.9634

■ 4.3837, 3.9191,
10.2341

■ 84.6358, 83.8887,
128.9922

■ 1.9214, 1.6284,
5.4468

109.4870,
109.0592, 163.1583

■ 0.5892, 0.3766,
2.4485

138.7809,
138.8194, 202.8801

■ 0.0000, 0.0000,
0.8127

172.8828,

■ 0.0000, 0.0000,

173.5539, 248.5763

0.0000

212.1582,
213.6468, 300.6654

■ 22.3511, 21.4163,
39.5149

■ 22.3511, 21.4163,
39.5149

■ 18.2841, 16.5310,
38.7867

■ 27.1656, 27.1904,
40.3760

■ 14.9251, 12.4880,
38.1833

■ 32.7601, 33.8916,
41.3746

■ 12.2343, 9.2405,
37.6983

■ 39.1680, 41.5592,
42.5169

■ 10.1670, 6.7360,
37.3239

■ 46.4198, 50.2293,
43.8082

■ 8.6732, 4.9158,
37.0512

■ 54.5446, 59.9362,
45.2536

■ 7.6951, 3.7122,
36.8705

■ 63.5703, 70.7128,
46.8580

■ 7.1574, 3.0413,
36.7693

■ 73.5232, 82.5901,
48.6259

■ 7.0163, 2.8725,
36.7442

■ 83.8366, 95.2930,
50.5343

■ 83.9751, 95.5700,
50.5804

Harmonies

Analogous

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



19.6900, 21.4163, 40.9061



22.3511, 21.4163, 39.5149



24.6484, 21.4163, 33.3682

Triad

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



22.3511, 21.4163, 39.5149



23.6147, 21.4163, 13.5923



15.7261, 21.4163, 21.4442

Complementary

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



22.3511, 21.4163, 39.5149



33.1480, 36.9182, 24.1185

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.



16.5925, 21.4163, 15.5214



22.3511, 21.4163, 39.5149



21.0359, 21.4163, 11.6709

Square

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



22.3511, 21.4163, 39.5149



25.4208, 21.4163, 18.2076



18.4825, 21.4163, 12.2914



16.0123, 21.4163, 29.3066

Rectangle

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



22.3511, 21.4163, 39.5149



25.5887, 21.4163, 28.0021



18.4825, 21.4163, 12.2914



15.8894, 21.4163, 19.1890

Sweetspot

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



22.3518, 21.4172, 39.5154



56.7630, 58.4130, 73.7584



28.8278, 34.5849, 41.0089



12.3623, 12.6644, 16.4450



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.3518, 21.4172, 39.5154



35.3368, 32.7204, 69.9285



25.4789, 22.8440, 39.6260



7.1450, 7.3269, 9.4560



5.3739, 2.2080, 28.1184



0.1349, 0.0620, 0.6855

Inverse Universe

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



26.6580, 23.8373, 22.2657



44.4577, 37.8712, 33.3867



29.3316, 35.2218, 23.9922



7.5378, 7.5450, 7.8831



12.2131, 6.2939, 0.6677



0.2992, 0.1540, 0.0273

Previews

White Background



This preview shows how the XYZ color 22.3511, 21.4163, 39.5149 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 22.3511, 21.4163, 39.5149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

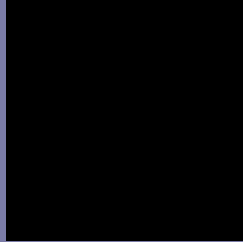
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.3511, 21.4163, 39.5149

Background



This preview shows how black text looks on a background with the XYZ color 22.3511, 21.4163, 39.5149.



This preview shows how white text looks on a background with the XYZ color 22.3511, 21.4163,

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

22.3511, 21.4163, 39.5149

Protanopia

21.7312, 21.4619, 40.0430

Deuteranopia

21.9164, 21.3792, 39.5307



Tritanopia

19.9817, 21.4161, 27.5067

Trichromacy



Original Color

22.3511, 21.4163, 39.5149

Protanomaly

22.0092, 21.4163, 40.0195

Deuteranomaly

22.0544, 21.4503, 39.5372

Tritanomaly

20.7599, 21.3417, 31.4590

Monochromacy



Original Color

22.3511, 21.4163, 39.5149

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.2997, 21.6739, 29.0475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3511, 21.4163, 39.5149 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(123, 124, 167)` looks like.

```
.text, #text, p{  
    color:rgb(123, 124, 167)  
}
```

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(123, 124, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 124, 167) }
```

Border

The CSS property to change the border of an element to XYZ 22.3511, 21.4163, 39.5149 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(123, 124, 167) }
```


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

```
.border{ border-color:rgb(123, 124, 167) }
```

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

Here you see how a box with a 4 pixel rgb(123, 124, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 124, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 124, 167);  
box-shadow:4px 4px 4px 4px rgb(123, 124,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3511, 21.4163, 39.5149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 124, 167) }
```

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

```
.background{ background-color: rgb(123,  
124, 167) }
```

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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