

Converting Colors

XYZ(22.0194, 21.0100, 38.8511)

Have a look what the booklet for
XYZ(22.0194, 21.0100, 38.8511)
contains.

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Color

**XYZ(22.1343, 21.1300,
38.9883)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7BA6
RGB	123, 123, 166
RGB Percent	48%, 48%, 65%
CMY	0.5176, 0.5176, 0.3490
CMYK	0.26, 0.26, 0.00, 0.35
HSL	240°, 19%, 57%
HSV	240°, 26%, 65%
XYZ	22.1343, 21.1300, 38.9883
YIQ	127.9020, -13.8030, 13.3730

Conversions

Conversions Part 2

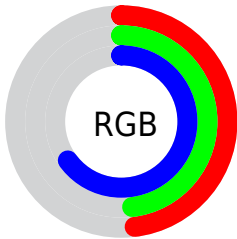
Format	Color
R_{YB}	123, 123, 166
Decimal	8092582
CIE Lab	53.09, 9.81, -22.90
CIE LCh	53, 24.912, 293.192
Yxy	21.1300, 0.2691, 0.2569
Android (android.graphics.Color)	4286282662 (0xFF7B7BA6)
YUV	127.9020, 18.7823, -4.2991
Hunter-Lab	45.9674, 5.5087, -18.1110

Details

The XYZ color **22.1343, 21.1300, 38.9883** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.9377, 36.8099, 24.1087**, and the grayscale version is **20.4248, 21.4885, 23.4010**.

A 20% lighter version of the original color is **46.2856, 45.1105, 74.6743**, and **8.2337, 7.5289, 16.9389** is the 20% darker color. If you saturate the color by 10%, you get **18.0704, 16.2333, 38.2577**, and if you desaturate by 10%, it is **26.9515, 26.9344, 39.8551**.

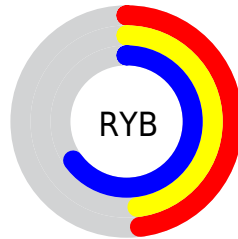
Distribution



Red (48%)

Green (48%)

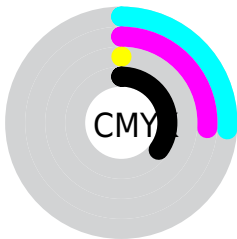
Blue (65%)



Red (48%)

Yellow (48%)

Blue (65%)

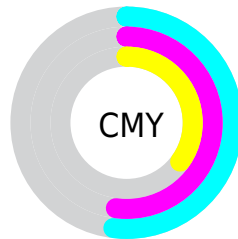


Cyan (26%)

Magenta (26%)

Yellow (0%)

Black (35%)



Cyan (52%)

Magenta (52%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1343, 21.1300, 38.9883 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 22.1343, 21.1300, 38.9883 by changing the saturation by 10% instead.

■ 22.1343, 21.1300,
38.9883

■ 22.1343, 21.1300,
38.9883

255.8660,
257.9686, 357.2652

■ 14.0728, 13.2191,
26.4429

■ 46.4451, 45.3038,
74.8406

■ 8.2533, 7.5796,
16.9265

■ 63.4250, 62.3354,
98.9845

■ 4.3106, 3.8271,
10.0207

■ 84.1085, 83.1761,
127.8317

■ 1.8793, 1.5773,
5.3069

108.8608,
108.2102, 161.8007

■ 0.5648, 0.3422,
2.3666

138.0474,
137.8221, 201.3100

■ 0.0000, 0.0000,
0.7682

172.0335,

■ 0.0000, 0.0000,

172.3962, 246.7781

0.0000

211.1846,
212.3169, 298.6237

■ 22.1343, 21.1300,
38.9883

■ 22.1343, 21.1300,
38.9883

■ 18.0704, 16.2333,
38.2577

■ 26.9515, 26.9344,
39.8551

■ 14.7198, 12.1960,
37.6550

■ 32.5550, 33.6863,
40.8630

■ 12.0419, 8.9693,
37.1733

■ 38.9787, 41.4264,
42.0185

■ 9.9913, 6.4985,
36.8045

■ 46.2536, 50.1922,
43.3270

■ 8.5170, 4.7221,
36.5393

■ 54.4093, 60.0193,
44.7940

■ 7.5601, 3.5690,
36.3672

■ 63.4738, 70.9415,
46.4244

■ 7.0420, 2.9448,
36.2740

■ 73.4740, 82.9911,
48.2232

■ 6.8830, 2.7532,
36.2454

■ 83.8830, 95.5332,
50.0954

Harmonies

Analogous

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



19.4919, 21.1300, 40.5212



22.1343, 21.1300, 38.9883



24.3949, 21.1300, 32.7837

Triad

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



22.1343, 21.1300, 38.9883



23.2569, 21.1300, 13.2775



15.4832, 21.1300, 21.3380

Complementary

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



22.1343, 21.1300, 38.9883



32.9377, 36.8099, 24.1087

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.



16.3125, 21.1300, 15.3973



22.1343, 21.1300, 38.9883



20.6868, 21.1300, 11.4449

Square

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



22.1343, 21.1300, 38.9883



25.0814, 21.1300, 17.7780



18.1633, 21.1300, 12.1264



15.7979, 21.1300, 29.1722

Rectangle

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



22.1343, 21.1300, 38.9883



25.3047, 21.1300, 27.4383



18.1633, 21.1300, 12.1264



15.6349, 21.1300, 19.0804

Sweetspot

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



22.1350, 21.1308, 38.9888



56.6719, 58.2308, 73.7280



28.6881, 34.2370, 41.1732



12.3387, 12.6172, 16.4372



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.



22.1350, 21.1308, 38.9888



35.8242, 33.1106, 69.9781



25.5557, 22.8943, 39.1489



7.1318, 7.3006, 9.4516



5.3374, 2.1350, 28.1063



0.1299, 0.0519, 0.6838

Inverse Universe

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



29.6923, 25.0268, 39.3424



51.8687, 41.3819, 70.7288



28.8011, 34.6774, 23.9151



7.8419, 7.6666, 9.4848



17.5320, 8.4215, 28.6767



0.4266, 0.2049, 0.6977

Previews

White Background



This preview shows how the XYZ color 22.1343, 21.1300, 38.9883 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 22.1343, 21.1300, 38.9883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

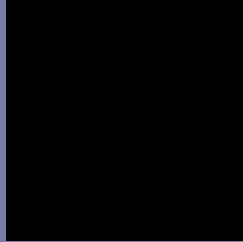
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.1343, 21.1300, 38.9883

Background



This preview shows how black text looks on a background with the XYZ color 22.1343, 21.1300, 38.9883.



This preview shows how white text looks on a background with the XYZ color 22.1343, 21.1300,

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

22.1343, 21.1300, 38.9883

Protanopia

21.4717, 21.1392, 39.9944

Deuteranopia

21.6878, 21.2720, 39.0392



Tritanopia

19.7778, 21.1249, 27.0799

Trichromacy



Original Color

22.1343, 21.1300, 38.9883

Protanomaly

21.6539, 21.0569, 39.4823

Deuteranomaly

21.8363, 21.1615, 39.0101

Tritanomaly

20.5519, 21.0529, 30.9974

Monochromacy



Original Color

22.1343, 21.1300, 38.9883

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.9475, 21.3103, 28.6004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1343, 21.1300, 38.9883 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, 123, 166)` looks like.

```
.text, #text, p{  
    color:rgb(123, 123, 166)  
}
```

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, 123, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 123, 166) }
```

Border

The CSS property to change the border of an element to XYZ 22.1343, 21.1300, 38.9883 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, 123, 166) }
```


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

```
.border{ border-color:rgb(123, 123, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 123, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 123, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 123, 166);  
box-shadow:4px 4px 4px 4px rgb(123, 123,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1343, 21.1300, 38.9883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 123, 166) }
```

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

```
.background{ background-color: rgb(123,  
123, 166) }
```

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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