

Converting Colors

XYZ(22.2828, 20.3919, 35.1104)

Have a look what the booklet for
XYZ(22.2828, 20.3919, 35.1104)
contains.

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Color

**XYZ(22.3229, 20.4120,
35.1111)**

Conversions

Conversions Part 1

Format	Color
Hex	85769E
RGB	133, 118, 158
RGB Percent	52%, 46%, 62%
CMY	0.4784, 0.5372, 0.3804
CMYK	0.16, 0.25, 0.00, 0.38
HSL	263°, 17%, 54%
HSV	263°, 25%, 62%
XYZ	22.3229, 20.4120, 35.1111
YIQ	127.0450, -3.9000, 15.6200

Conversions

Conversions Part 2

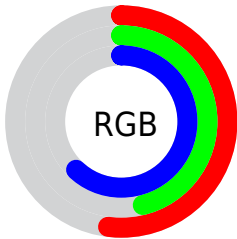
Format	Color
R _Y B	133, 118, 158
Decimal	8746654
CIE Lab	52.30, 14.09, -19.39
CIE LCh	52, 23.971, 306.012
Yxy	20.4120, 0.2868, 0.2622
Android (android.graphics.Color)	4286936734 (0xFF85769E)
YUV	127.0450, 15.2608, 5.2225
Hunter-Lab	45.1796, 9.1311, -14.4511

Details

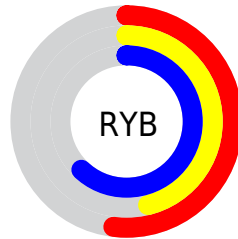
The XYZ color **22.3229, 20.4120, 35.1111** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.8250, 31.6018, 21.8263**, and the grayscale version is **20.1390, 21.1878, 23.0735**.

A 20% lighter version of the original color is **46.8785, 44.1183, 68.9957**, and **8.4113, 7.2809, 14.8719** is the 20% darker color. If you saturate the color by 10%, you get **19.1295, 16.2316, 34.4728**, and if you desaturate by 10%, it is **25.9759, 25.2930, 35.8610**.

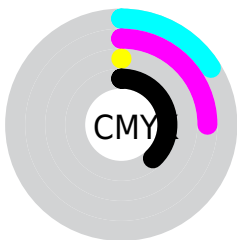
Distribution



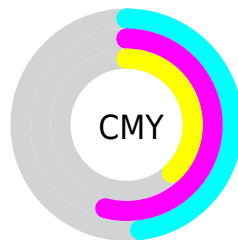
- Red (52%)
- Green (46%)
- Blue (62%)



- Red (52%)
- Yellow (46%)
- Blue (62%)



- Cyan (16%)
- Magenta (25%)
- Yellow (0%)
- Black (38%)



- Cyan (48%)
- Magenta (54%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3229, 20.4120, 35.1111 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 22.3229, 20.4120, 35.1111 by changing the saturation by 10% instead.

■ 22.3229, 20.4120,
35.1111

■ 22.3229, 20.4120,
35.1111

256.8287,
254.1369, 339.9776

■ 14.2123, 12.6949,
23.4642

■ 46.7540, 44.1069,
68.8114

■ 8.3512, 7.2188,
14.7282

■ 63.8052, 60.8534,
91.7018

■ 4.3741, 3.5993,
8.4843

■ 84.5673, 81.3785,
119.1773

■ 1.9159, 1.4520,
4.3142

109.4056,
106.0666, 151.6562

■ 0.5861, 0.2546,
1.7992

138.6856,
135.3021, 189.5571

■ 0.0000, 0.0000,
0.4275

172.7725,

■ 0.0000, 0.0000,

169.4694, 233.2987

0.0000

212.0318,
208.9528, 283.2993

■ 22.3229, 20.4120,
35.1111

■ 22.3229, 20.4120,
35.1111

■ 19.1295, 16.2316,
34.4728

■ 25.9759, 25.2930,
35.8610

■ 16.3742, 12.7161,
33.9395

■ 30.1048, 30.9030,
36.7262

■ 14.0365, 9.8306,
33.5058

■ 34.7275, 37.2717,
37.7119

■ 12.0936, 7.5357,
33.1652

■ 39.8604, 44.4265,
38.8224

■ 10.5201, 5.7875,
32.9107

■ 45.5191, 52.3935,
40.0619

■ 9.2871, 4.5355,
32.7340

■ 51.7184, 61.1975,
41.4345

■ 8.3583, 3.7152,
32.6246

■ 58.4727, 70.8621,
42.9440

■ 7.9902, 3.4061,
32.5844

■ 65.7956, 81.4102,
44.5940

■ 72.0181, 89.4988,
45.8273

Harmonies

Analogous

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



19.9016, 20.4120, 38.6402



22.3229, 20.4120, 35.1111



24.0609, 20.4120, 28.2125

Triad

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



22.3229, 20.4120, 35.1111



21.3922, 20.4120, 11.9881



15.0592, 20.4120, 23.6772

Complementary

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



22.3229, 20.4120, 35.1111



26.8250, 31.6018, 21.8263

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.



15.3853, 20.4120, 17.1513



22.3229, 20.4120, 35.1111



18.9089, 20.4120, 11.2754

Square

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



22.3229, 20.4120, 35.1111



23.4925, 20.4120, 15.1622



16.7459, 20.4120, 12.9549



15.8144, 20.4120, 31.1984

Rectangle

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



22.3229, 20.4120, 35.1111



24.5231, 20.4120, 23.1827



16.7459, 20.4120, 12.9549



15.0469, 20.4120, 21.2944

Sweetspot

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



22.3236, 20.4128, 35.1116



52.4495, 53.0868, 66.2258



23.5160, 26.0660, 36.1399



11.5766, 11.6305, 14.8784



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



22.3236, 20.4128, 35.1116



37.3803, 32.9125, 63.1261



25.7246, 22.1661, 35.2707



6.5080, 6.5504, 8.3280



6.4401, 2.7490, 26.0984



0.1602, 0.0724, 0.4688

Inverse Universe

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



25.5374, 22.2099, 28.9280



44.2485, 36.7568, 49.7332



23.7136, 29.9978, 21.6807



6.7986, 6.7123, 7.7904



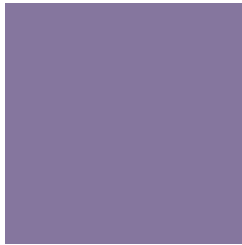
13.1068, 6.5473, 10.0791



0.2543, 0.1251, 0.2853

Previews

White Background



This preview shows how the XYZ color 22.3229, 20.4120, 35.1111 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 22.3229, 20.4120, 35.1111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

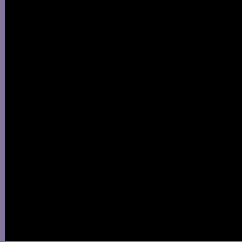
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.3229, 20.4120, 35.1111

Background



This preview shows how black text looks on a background with the XYZ color 22.3229, 20.4120, 35.1111.



This preview shows how white text looks on a background with the XYZ color 22.3229, 20.4120,

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

22.3229, 20.4120, 35.1111

Protanopia

20.6748, 20.4194, 37.0341

Deuteranopia

20.7911, 20.3465, 34.7297



Tritanopia

20.3011, 20.4990, 24.7165

Trichromacy



Original Color

22.3229, 20.4120, 35.1111

Protanomaly

21.2964, 20.3855, 36.5306

Deuteranomaly

21.3806, 20.4690, 34.7223

Tritanomaly

20.8510, 20.3437, 28.0271

Monochromacy



Original Color

22.3229, 20.4120, 35.1111

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.8484, 20.9174, 26.9834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3229, 20.4120, 35.1111 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(133, 118, 158)` looks like.

```
.text, #text, p{  
    color:rgb(133, 118, 158)  
}
```

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(133, 118, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 118, 158) }
```

Border

The CSS property to change the border of an element to XYZ 22.3229, 20.4120, 35.1111 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(133, 118, 158) }
```


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

```
.border{ border-color:rgb(133, 118, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 118, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 118, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 118, 158);  
box-shadow:4px 4px 4px 4px rgb(133, 118,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3229, 20.4120, 35.1111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 118, 158) }
```

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

```
.background{ background-color: rgb(133,  
118, 158) }
```

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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