

Converting Colors

XYZ(22.1350, 21.9631, 35.6129)

Have a look what the booklet for
XYZ(22.1350, 21.9631, 35.6129)
contains.

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Color

**XYZ(22.0731, 21.9325,
35.4178)**

Conversions

Conversions Part 1

Format	Color
Hex	7C7F9E
RGB	124, 127, 158
RGB Percent	49%, 50%, 62%
CMY	0.5137, 0.5019, 0.3804
CMYK	0.22, 0.20, 0.00, 0.38
HSL	235°, 15%, 55%
HSV	235°, 22%, 62%
XYZ	22.0731, 21.9325, 35.4178
YIQ	129.6370, -11.7390, 9.0050

Conversions

Conversions Part 2

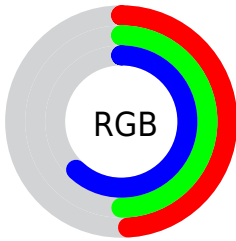
Format	Color
R_{YB}	124, 127, 158
Decimal	8159134
CIE Lab	53.96, 5.80, -16.93
CIE LCh	54, 17.901, 288.916
Yxy	21.9325, 0.2779, 0.2761
Android (android.graphics.Color)	4286349214 (0xFF7C7F9E)
YUV	129.6370, 13.9830, -4.9436
Hunter-Lab	46.8321, 2.1750, -12.0568

Details

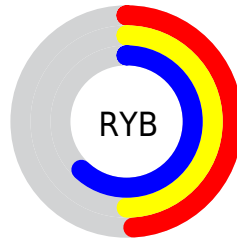
The XYZ color **22.0731, 21.9325, 35.4178** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **29.4601, 32.1669, 23.7254**, and the grayscale version is **21.0458, 22.1418, 24.1125**.

A 20% lighter version of the original color is **46.4630, 46.7937, 69.5340**, and **8.2023, 7.9662, 15.0152** is the 20% darker color. If you saturate the color by 10%, you get **18.2409, 17.3902, 34.7434**, and if you desaturate by 10%, it is **26.5386, 27.1973, 36.1990**.

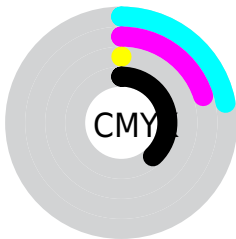
Distribution



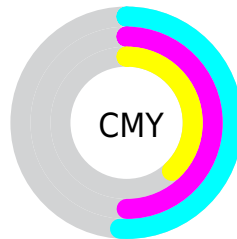
- Red (49%)
- Green (50%)
- Blue (62%)



- Red (49%)
- Yellow (50%)
- Blue (62%)



- Cyan (22%)
- Magenta (20%)
- Yellow (0%)
- Black (38%)



- Cyan (51%)
- Magenta (50%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0731, 21.9325, 35.4178 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 22.0731, 21.9325, 35.4178 by changing the saturation by 10% instead.

■ 22.0731, 21.9325,
35.4178

■ 22.0731, 21.9325,
35.4178

255.5530,
262.1936, 341.3688

■ 14.0275, 13.8073,
23.6988

■ 46.3447, 46.6344,
69.2914

■ 8.2216, 7.9868,
14.9002

■ 63.3015, 63.9799,
92.2830

■ 4.2901, 4.0865,
8.6035

■ 83.9594, 85.1677,
119.8693

■ 1.8675, 1.7221,
4.3902

108.6838,
110.5820, 152.4687

■ 0.5579, 0.4379,
1.8418

137.8399,
140.6074, 190.4998

■ 0.0000, 0.0000,
0.4553

171.7933,

■ 0.0000, 0.0000,

175.6282, 234.3812

0.0000

210.9092,
216.0288, 284.5313

■ 22.0731, 21.9325,
35.4178

■ 22.0731, 21.9325,
35.4178

■ 18.2409, 17.3902,
34.7434

■ 26.5386, 27.1973,
36.1990

■ 15.0112, 13.5362,
34.1697

■ 31.6621, 33.2113,
37.0898

■ 12.3540, 10.3376,
33.6924

■ 37.4696, 40.0032,
38.0947

■ 10.2356, 7.7579,
33.3061

■ 43.9849, 47.5996,
39.2175

■ 8.6190, 5.7568,
33.0050

■ 51.2308, 56.0256,
40.4620

■ 7.4622, 4.2892,
32.7827

■ 59.2291, 65.3052,
41.8316

■ 6.7167, 3.3035,
32.6318

■ 68.0005, 75.4616,
43.3297

■ 6.3280, 2.7814,
32.5515

■ 77.5652, 86.5169,
44.9595

■ 83.1716, 95.2487,
46.3494

Harmonies

Analogous

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



20.1405, 21.9325, 35.9089



22.0731, 21.9325, 35.4178



23.7717, 21.9325, 31.5720

Triad

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



22.0731, 21.9325, 35.4178



23.3825, 21.9325, 16.7294



17.4109, 21.9325, 21.8944

Complementary

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



22.0731, 21.9325, 35.4178



29.4601, 32.1669, 23.7254

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.



18.1711, 21.9325, 17.5526



22.0731, 21.9325, 35.4178



21.5681, 21.9325, 14.8922

Square

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



22.0731, 21.9325, 35.4178



24.5593, 21.9325, 20.5969



19.6656, 21.9325, 15.1682



17.5275, 21.9325, 27.4963

Rectangle

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



22.0731, 21.9325, 35.4178



24.5058, 21.9325, 27.9136



19.6656, 21.9325, 15.1682



17.5704, 21.9325, 20.2563

Sweetspot

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



22.0738, 21.9334, 35.4183



53.0674, 55.1160, 66.5849



26.4223, 31.0924, 35.4437



11.8374, 12.2773, 14.9895



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.



22.0738, 21.9334, 35.4183



36.4723, 35.5539, 63.6837



23.7948, 22.2536, 35.3894



6.3295, 6.5248, 8.3325



5.0817, 2.2550, 26.0747



0.1030, 0.0647, 0.4703

Inverse Universe

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



25.1395, 23.2172, 23.2361



43.1089, 38.3875, 37.2997



27.4370, 31.8748, 23.7756



6.6557, 6.6552, 7.0378



11.3632, 5.8499, 0.8978



0.2093, 0.1071, 0.0484

Previews

White Background



This preview shows how the XYZ color 22.0731, 21.9325, 35.4178 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 22.0731, 21.9325, 35.4178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

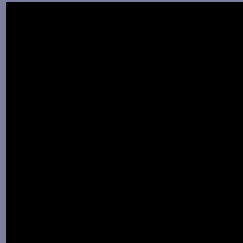
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.0731, 21.9325, 35.4178

Background



This preview shows how black text looks on a background with the XYZ color 22.0731, 21.9325, 35.4178.



This preview shows how white text looks on a background with the XYZ color 22.0731, 21.9325,

35.4178.

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

22.0731, 21.9325, 35.4178

Protanopia

21.9168, 22.0445, 35.4476

Deuteranopia

22.3848, 21.9024, 35.3955



Tritanopia

20.6014, 21.9237, 27.9568

Trichromacy



Original Color

22.0731, 21.9325, 35.4178

Protanomaly

22.0591, 22.1179, 35.4543

Deuteranomaly

22.2366, 21.8260, 35.3886

Tritanomaly

21.1428, 21.9447, 30.7252

Monochromacy



Original Color

22.0731, 21.9325, 35.4178

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.4860, 22.1832, 27.9603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0731, 21.9325, 35.4178 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(124, 127, 158)` looks like.

```
.text, #text, p{  
    color:rgb(124, 127, 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(124, 127, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 127, 158) }
```

Border

The CSS property to change the border of an element to XYZ 22.0731, 21.9325, 35.4178 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(124, 127, 158) }
```


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

```
.border{ border-color:rgb(124, 127, 158) }
```

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

Here you see how a box with a 4 pixel rgb(124, 127, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 127, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 127, 158);  
box-shadow:4px 4px 4px 4px rgb(124, 127,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0731, 21.9325, 35.4178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 127, 158) }
```

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

```
.background{ background-color: rgb(124,  
127, 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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