

Converting Colors

XYZ(22.7754, 22.5782, 35.5349)

Have a look what the booklet for
XYZ(22.7754, 22.5782, 35.5349)
contains.

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Color

**XYZ(22.6431, 22.4190,
35.4816)**

Conversions

Conversions Part 1

Format	Color
Hex	7F809E
RGB	127, 128, 158
RGB Percent	50%, 50%, 62%
CMY	0.5020, 0.4980, 0.3804
CMYK	0.20, 0.19, 0.00, 0.38
HSL	238°, 14%, 56%
HSV	238°, 20%, 62%
XYZ	22.6431, 22.4190, 35.4816
YIQ	131.1210, -10.2260, 9.1180

Conversions

Conversions Part 2

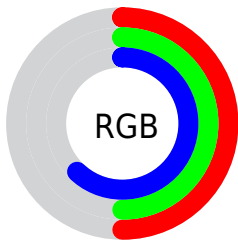
Format	Color
RYB	127, 128, 158
Decimal	8355998
CIELab	54.47, 6.21, -16.13
CIElCh	54, 17.287, 291.064
Yxy	22.4190, 0.2811, 0.2783
Android (android.graphics.Color)	4286546078 (0xFF7F809E)
YUV	131.1210, 13.2513, -3.6141
Hunter-Lab	47.3487, 2.5020, -11.2859

Details

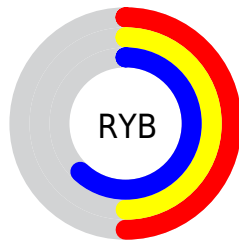
The XYZ color **22.6431, 22.4190, 35.4816** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **29.9884, 32.9152, 24.8519**, and the grayscale version is **21.5739, 22.6975, 24.7175**.

A 20% lighter version of the original color is **47.3565, 47.5551, 69.6339**, and **8.5104, 8.2313, 15.0502** is the 20% darker color. If you saturate the color by 10%, you get **18.6257, 17.6076, 34.7650**, and if you desaturate by 10%, it is **27.3314, 28.0235, 36.3166**.

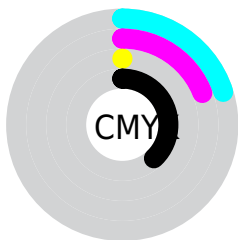
Distribution



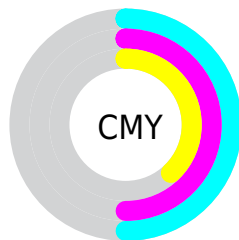
- Red (50%)
- Green (50%)
- Blue (62%)



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



- Cyan (20%)
- Magenta (19%)
- Yellow (0%)
- Black (38%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6431, 22.4190, 35.4816 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 22.6431, 22.4190, 35.4816 by changing the saturation by 10% instead.

■ 22.6431, 22.4190,
35.4816

■ 22.6431, 22.4190,
35.4816

258.4563,
264.7266, 341.6576

■ 14.4494, 14.1651,
23.7476

■ 47.2776, 47.4375,
69.3912

■ 8.5177, 8.2356,
14.9360

■ 64.4492, 64.9710,
92.4038

■ 4.4825, 4.2461,
8.6284

■ 85.3441, 86.3664,
120.0131

■ 1.9786, 1.8121,
4.4061

110.3277,
112.0081, 152.6375

■ 0.6219, 0.4947,
1.8507

139.7654,
142.2806, 190.6956

■ 0.0000, 0.0000,
0.4611

174.0224,

■ 0.0000, 0.0000,

177.5683, 234.6060

0.0000

213.4643,
218.2555, 284.7872

■ 22.6431, 22.4190,
35.4816

■ 22.6431, 22.4190,
35.4816

■ 18.6257, 17.6076,
34.7650

■ 27.3314, 28.0235,
36.3166

■ 15.2467, 13.5510,
34.1601

■ 32.7172, 34.4517,
37.2736

■ 12.4737, 10.2117,
33.6617

■ 38.8281, 41.7361,
38.3575

■ 10.2710, 7.5478,
33.2636

■ 45.6896, 49.9065,
39.5729

■ 8.5988, 5.5135,
32.9591

■ 53.3260, 58.9912,
40.9239

■ 7.4125, 4.0568,
32.7405

■ 61.7604, 69.0174,
42.4147

■ 6.6599, 3.1178,
32.5989

■ 71.0150, 80.0110,
44.0489

■ 6.2409, 2.5960,
32.5202

■ 81.1113, 91.9971,
45.8303

■ 6.2270, 2.5795,
32.5178

■ 83.1716, 95.2486,
46.3493

Harmonies

Analogous

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



20.7485, 22.4190, 36.2177



22.6431, 22.4190, 35.4816



24.2656, 22.4190, 31.5614

Triad

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



22.6431, 22.4190, 35.4816



23.6777, 22.4190, 17.1697



17.9129, 22.4190, 22.8276

Complementary

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



22.6431, 22.4190, 35.4816



29.9884, 32.9152, 24.8519

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.



18.6021, 22.4190, 18.4305



22.6431, 22.4190, 35.4816



21.8787, 22.4190, 15.4966

Square

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



22.6431, 22.4190, 35.4816



24.8871, 22.4190, 20.8539



20.0276, 22.4190, 15.9212



18.0907, 22.4190, 28.3501

Rectangle

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



22.6431, 22.4190, 35.4816



24.9384, 22.4190, 27.9501



20.0276, 22.4190, 15.9212



18.0493, 22.4190, 21.1830

Sweetspot

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



22.6438, 22.4199, 35.4821



52.9121, 54.8053, 66.5332



27.0626, 31.3993, 36.5180



11.7993, 12.2009, 14.9768



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.



22.6438, 22.4199, 35.4821



37.4338, 36.3008, 63.7772



24.8254, 23.3516, 35.5470



6.3011, 6.4679, 8.3230



4.9929, 2.0773, 26.0450



0.0937, 0.0461, 0.4672

Inverse Universe

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



25.5867, 24.0069, 23.7083



43.8814, 39.7958, 37.9785



27.4783, 31.8738, 24.7832



6.6413, 6.6494, 6.9623



11.3184, 5.8319, 0.6616



0.2046, 0.1052, 0.0237

Previews

White Background



This preview shows how the XYZ color 22.6431, 22.4190, 35.4816 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 22.6431, 22.4190, 35.4816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

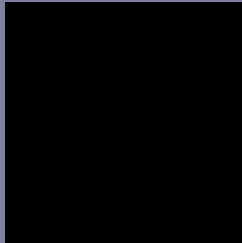
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.6431, 22.4190, 35.4816

Background



This preview shows how black text looks on a background with the XYZ color 22.6431, 22.4190, 35.4816.



This preview shows how white text looks on a background with the XYZ color 22.6431, 22.4190,

35.4816.

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

22.6431, 22.4190, 35.4816

Protanopia

22.4204, 22.4888, 35.9600

Deuteranopia

22.8142, 22.3145, 35.4524



Tritanopia

21.2362, 22.4408, 28.4115

Trichromacy



Original Color

22.6431, 22.4190, 35.4816

Protanomaly

22.5657, 22.5637, 35.9668

Deuteranomaly

22.6630, 22.2366, 35.4454

Tritanomaly

21.7065, 22.4318, 30.7895

Monochromacy



Original Color

22.6431, 22.4190, 35.4816

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.9963, 22.6342, 28.4088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6431, 22.4190, 35.4816 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(127, 128, 158)` looks like.

```
.text, #text, p{  
    color:rgb(127, 128, 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(127, 128, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 128, 158) }
```

Border

The CSS property to change the border of an element to XYZ 22.6431, 22.4190, 35.4816 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(127, 128, 158) }
```


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

```
.border{ border-color:rgb(127, 128, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 128, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 128, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 128, 158);  
box-shadow:4px 4px 4px 4px rgb(127, 128,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6431, 22.4190, 35.4816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 128, 158) }
```

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

```
.background{ background-color: rgb(127,  
128, 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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