

Converting Colors

XYZ(22.1505, 20.2196, 39.7811)

Have a look what the booklet for
XYZ(22.1505, 20.2196, 39.7811)
contains.

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Color

**XYZ(22.1505, 20.2196,
39.7811)**

Conversions

Conversions Part 1

Format	Color
Hex	7E76A8
RGB	126, 118, 168
RGB Percent	49%, 46%, 66%
CMY	0.5059, 0.5372, 0.3412
CMYK	0.25, 0.30, 0.00, 0.34
HSL	250°, 22%, 56%
HSV	250°, 30%, 66%
XYZ	22.1505, 20.2196, 39.7811
YIQ	126.0920, -11.2820, 17.2460

Conversions

Conversions Part 2

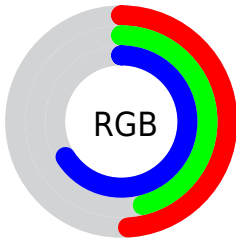
Format	Color
RYB	126, 118, 168
Decimal	8287912
CIELab	52.08, 14.23, -25.59
CIELCh	52, 29.279, 299.069
Yxy	20.2196, 0.2696, 0.2461
Android (android.graphics.Color)	4286477992 (0xFF7E76A8)
YUV	126.0920, 20.6606, -0.0807
Hunter-Lab	44.9662, 9.2388, -20.9768

Details

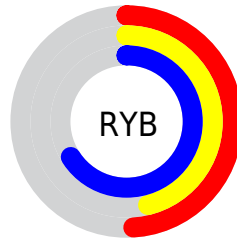
The XYZ color **22.1505, 20.2196, 39.7811** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.7703, 36.7873, 22.5665**, and the grayscale version is **19.7977, 20.8287, 22.6825**.

A 20% lighter version of the original color is **46.5164, 43.7805, 75.8108**, and **8.3230, 7.1778, 17.4698** is the 20% darker color. If you saturate the color by 10%, you get **18.4094, 15.6114, 39.0892**, and if you desaturate by 10%, it is **26.5389, 25.6854, 40.6052**.

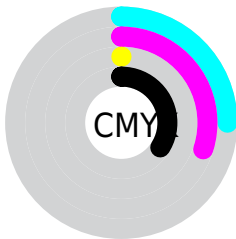
Distribution



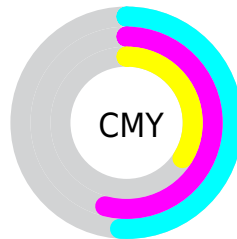
- Red (49%)
- Green (46%)
- Blue (66%)



- Red (49%)
- Yellow (46%)
- Blue (66%)



- Cyan (25%)
- Magenta (30%)
- Yellow (0%)
- Black (34%)



- Cyan (51%)
- Magenta (54%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1505, 20.2196, 39.7811 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 22.1505, 20.2196, 39.7811 by changing the saturation by 10% instead.

■ 22.1505, 20.2196,
39.7811

■ 22.1505, 20.2196,
39.7811

255.9488,
253.1015, 360.7247

■ 14.0847, 12.5548,
27.0554

■ 46.4716, 43.7851,
76.0635

■ 8.2617, 7.1227,
17.3820

■ 63.4577, 60.4545,
100.4573

■ 4.3161, 3.5389,
10.3424

■ 84.1479, 80.8942,
129.5776

■ 1.8825, 1.4192,
5.5180

108.9077,
105.4887, 163.8428

■ 0.5666, 0.2308,
2.4903

138.1023,
134.6222, 203.6716

■ 0.0000, 0.0000,
0.8350

172.0971,

■ 0.0000, 0.0000,

168.6793, 249.4825

0.0000

211.2575,
208.0442, 301.6940

■ 22.1505, 20.2196,
39.7811

■ 22.1505, 20.2196,
39.7811

■ 18.4094, 15.6114,
39.0892

■ 26.5389, 25.6854,
40.6052

■ 15.2827, 11.8148,
38.5211

■ 31.6013, 32.0471,
41.5663

■ 12.7374, 8.7829,
38.0701

■ 37.3656, 39.3434,
42.6708

■ 10.7369, 6.4631,
37.7277

■ 43.8573, 47.6100,
43.9242

■ 9.2399, 4.7961,
37.4849

■ 51.1006, 56.8809,
45.3319

■ 8.1992, 3.7126,
37.3306

■ 59.1188, 67.1882,
46.8989

■ 7.5301, 3.0719,
37.2422

■ 67.9340, 78.5629,
48.6298

■ 7.5168, 3.0586,
37.2403

■ 77.5674, 91.0344,
50.5293

■ 83.3398, 95.2318,
51.0352

Harmonies

Analogous

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



19.1248, 20.2196, 42.9362



22.1505, 20.2196, 39.7811



24.5865, 20.2196, 31.6151

Triad

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



22.1505, 20.2196, 39.7811



22.3289, 20.2196, 10.6926



14.0215, 20.2196, 21.7491

Complementary

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



22.1505, 20.2196, 39.7811



31.7703, 36.7873, 22.5665

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.



14.6943, 20.2196, 14.5874



22.1505, 20.2196, 39.7811



19.3117, 20.2196, 9.3107

Square

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



22.1505, 20.2196, 39.7811



24.6968, 20.2196, 14.9426



16.5567, 20.2196, 10.5281



14.6163, 20.2196, 31.0287

Rectangle

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



22.1505, 20.2196, 39.7811



25.4371, 20.2196, 25.2896



16.5567, 20.2196, 10.5281



14.1056, 20.2196, 19.0373

Sweetspot

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



22.1512, 20.2204, 39.7816



57.9316, 58.8941, 75.5395



27.1973, 31.9946, 41.7882



12.3271, 12.4587, 16.4072



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.



22.1512, 20.2204, 39.7816



35.3891, 30.7602, 71.2972



26.2168, 22.3163, 39.9718



7.2395, 7.3561, 9.4566



5.7061, 2.3251, 28.1235



0.1707, 0.0730, 0.6857

Inverse Universe

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



28.9726, 23.8204, 36.3289



49.9553, 38.4546, 63.6086



27.3455, 34.5062, 22.3594



7.7896, 7.6457, 9.2091



15.8477, 7.7478, 19.8072



0.3989, 0.1939, 0.5523

Previews

White Background



This preview shows how the XYZ color 22.1505, 20.2196, 39.7811 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 22.1505, 20.2196, 39.7811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

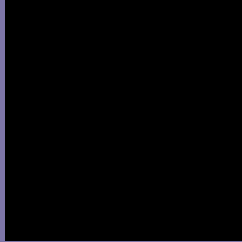
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.1505, 20.2196, 39.7811

Background



This preview shows how black text looks on a background with the XYZ color 22.1505, 20.2196, 39.7811.



This preview shows how white text looks on a background with the XYZ color 22.1505, 20.2196,

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

22.1505, 20.2196, 39.7811

Protanopia

20.8641, 20.4212, 41.3701

Deuteranopia

20.6167, 20.1538, 39.3627



Tritanopia

19.2565, 20.1296, 25.4247

Trichromacy



Original Color

22.1505, 20.2196, 39.7811

Protanomaly

21.2955, 20.2900, 40.8242

Deuteranomaly

21.1485, 20.2467, 39.3526

Tritanomaly

20.1739, 20.1320, 30.0167

Monochromacy



Original Color

22.1505, 20.2196, 39.7811

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.4949, 20.5246, 28.0808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1505, 20.2196, 39.7811 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(126, 118, 168)` looks like.

```
.text, #text, p{  
    color:rgb(126, 118, 168)  
}
```

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(126, 118, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 118, 168) }
```

Border

The CSS property to change the border of an element to XYZ 22.1505, 20.2196, 39.7811 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(126, 118, 168) }
```


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

```
.border{ border-color:rgb(126, 118, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 118, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 118, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 118, 168);  
box-shadow:4px 4px 4px 4px rgb(126, 118,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1505, 20.2196, 39.7811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 118, 168) }
```

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

```
.background{ background-color: rgb(126,  
118, 168) }
```

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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