

Converting Colors

XYZ(22.0949, 20.7523, 40.0336)

Have a look what the booklet for
XYZ(22.0949, 20.7523, 40.0336)
contains.

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Color

**XYZ(22.0736, 20.7129,
39.8804)**

Conversions

Conversions Part 1

Format	Color
Hex	7B79A8
RGB	123, 121, 168
RGB Percent	48%, 47%, 66%
CMY	0.5176, 0.5255, 0.3412
CMYK	0.27, 0.28, 0.00, 0.34
HSL	243°, 21%, 57%
HSV	243°, 28%, 66%
XYZ	22.0736, 20.7129, 39.8804
YIQ	126.9560, -13.8950, 15.0410

Conversions

Conversions Part 2

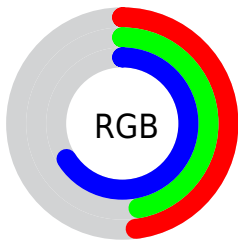
Format	Color
R _Y B	123, 121, 168
Decimal	8092072
CIE Lab	52.63, 11.50, -24.76
CIE LCh	53, 27.303, 294.914
Yxy	20.7129, 0.2670, 0.2506
Android (android.graphics.Color)	4286282152 (0xFF7B79A8)
YUV	126.9560, 20.2347, -3.4694
Hunter-Lab	45.5114, 6.9297, -20.0962

Details

The XYZ color **22.0736, 20.7129, 39.8804** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.1805, 37.4933, 23.5783**, and the grayscale version is **20.0945, 21.1409, 23.0225**.

A 20% lighter version of the original color is **46.1673, 44.4450, 75.9575**, and **8.2826, 7.4425, 17.5230** is the 20% darker color. If you saturate the color by 10%, you get **18.0920, 15.8893, 39.1596**, and if you desaturate by 10%, it is **26.7902, 26.4442, 40.7384**.

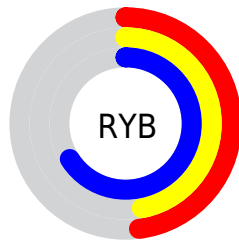
Distribution



Red (48%)

Green (47%)

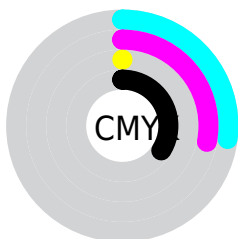
Blue (66%)



Red (48%)

Yellow (47%)

Blue (66%)

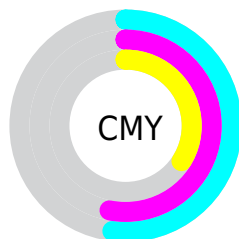


Cyan (27%)

Magenta (28%)

Yellow (0%)

Black (34%)



Cyan (52%)

Magenta (53%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0736, 20.7129, 39.8804 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 22.0736, 20.7129, 39.8804 by changing the saturation by 10% instead.

■ 22.0736, 20.7129,
39.8804

■ 22.0736, 20.7129,
39.8804

255.5555,
255.7488, 361.1563

■ 14.0279, 12.9143,
27.1322

■ 46.3456, 44.6092,
76.2165

■ 8.2219, 7.3696,
17.4392

■ 63.3025, 61.4758,
100.6414

■ 4.2903, 3.6943,
10.3829

■ 83.9606, 82.1337,
129.7957

■ 1.8676, 1.5041,
5.5446

108.6852,
106.9675, 164.0979

■ 0.5579, 0.2916,
2.5060

137.8416,
136.3615, 203.9665

■ 0.0000, 0.0000,
0.8433

171.7953,

■ 0.0000, 0.0000,

170.7001, 249.8201

0.0000

210.9114,
210.3677, 302.0772

■ 22.0736, 20.7129,
39.8804

■ 22.0736, 20.7129,
39.8804

■ 18.0920, 15.8893,
39.1596

■ 26.7902, 26.4442,
40.7384

■ 14.8065, 11.9245,
38.5674

■ 32.2741, 33.1237,
41.7386

■ 12.1777, 8.7689,
38.0969

■ 38.5581, 40.7926,
42.8877

■ 10.1614, 6.3666,
37.7395

■ 45.6725, 49.4888,
44.1913

■ 8.7081, 4.6549,
37.4857

■ 53.6459, 59.2484,
45.6548

■ 7.7603, 3.5608,
37.3245

■ 62.5058, 70.1055,
47.2835

■ 7.2351, 2.9682,
37.2378

■ 72.2783, 82.0930,
49.0822

■ 7.1574, 2.8733,
37.2235

■ 82.8595, 94.9842,
51.0128

■ 84.0680, 95.6072,
51.0693

Harmonies

Analogous

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



19.2077, 20.7129, 41.9496



22.0736, 20.7129, 39.8804



24.4927, 20.7129, 32.7688

Triad

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



22.0736, 20.7129, 39.8804



22.9894, 20.7129, 12.0387



14.7414, 20.7129, 21.1969

Complementary

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



22.0736, 20.7129, 39.8804



33.1805, 37.4933, 23.5783

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.



15.5550, 20.7129, 14.7170



22.0736, 20.7129, 39.8804



20.1742, 20.7129, 10.3033

Square

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



22.0736, 20.7129, 39.8804



25.0560, 20.7129, 16.5952



17.4789, 20.7129, 11.1507



15.1456, 20.7129, 29.7888

Rectangle

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



22.0736, 20.7129, 39.8804



25.4329, 20.7129, 26.8648



17.4789, 20.7129, 11.1507



14.8791, 20.7129, 18.7288

Sweetspot

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



22.0743, 20.7137, 39.8809



58.3822, 59.8836, 75.7067



28.6688, 34.3229, 42.1601



12.3896, 12.6435, 16.4396



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.



22.0743, 20.7137, 39.8809



35.1074, 31.5885, 71.4719



25.7719, 22.6199, 40.0539



7.1602, 7.3152, 9.4529



5.4161, 2.1755, 28.1100



0.1407, 0.0575, 0.6843

Inverse Universe

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



29.8695, 24.7536, 39.2811



51.8006, 40.2420, 70.0907



28.7706, 35.2200, 23.3719



7.8279, 7.6610, 9.4110



17.0480, 8.2279, 26.1278



0.4188, 0.2018, 0.6571

Previews

White Background



This preview shows how the XYZ color 22.0736, 20.7129, 39.8804 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 22.0736, 20.7129, 39.8804 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 22.0736, 20.7129, 39.8804

Background



This preview shows how black text looks on a background with the XYZ color 22.0736, 20.7129, 39.8804.



This preview shows how white text looks on a background with the XYZ color 22.0736, 20.7129,

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

22.0736, 20.7129, 39.8804

Protanopia

21.1454, 20.7623, 40.9233

Deuteranopia

21.2529, 20.8502, 39.4635



Tritanopia

19.4408, 20.7668, 26.6507

Trichromacy



Original Color

22.0736, 20.7129, 39.8804

Protanomaly

21.4468, 20.7435, 40.4096

Deuteranomaly

21.5292, 20.8075, 39.4408

Tritanomaly

20.2867, 20.7273, 30.9485

Monochromacy



Original Color

22.0736, 20.7129, 39.8804

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.8203, 21.0558, 28.5580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0736, 20.7129, 39.8804 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, 121, 168)` looks like.

```
.text, #text, p{  
    color:rgb(123, 121, 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(123, 121, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 121, 168) }
```

Border

The CSS property to change the border of an element to XYZ 22.0736, 20.7129, 39.8804 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, 121, 168) }
```


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

```
.border{ border-color:rgb(123, 121, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 121, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 121, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 121, 168);  
box-shadow:4px 4px 4px 4px rgb(123, 121,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0736, 20.7129, 39.8804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 121, 168) }
```

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

```
.background{ background-color: rgb(123,  
121, 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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