

Converting Colors

XYZ(22.1894, 21.2174, 36.1149)

Have a look what the booklet for
XYZ(22.1894, 21.2174, 36.1149)
contains.

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Color

**XYZ(22.1805, 21.2160,
36.1838)**

Conversions

Conversions Part 1

Format	Color
Hex	7F7BA0
RGB	127, 123, 160
RGB Percent	50%, 48%, 63%
CMY	0.5020, 0.5176, 0.3725
CMYK	0.21, 0.23, 0.00, 0.37
HSL	246°, 16%, 55%
HSV	246°, 23%, 63%
XYZ	22.1805, 21.2160, 36.1838
YIQ	128.4140, -9.4930, 12.3550

Conversions

Conversions Part 2

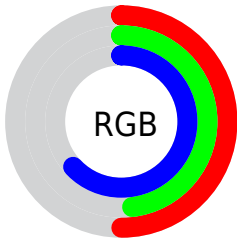
Format	Color
R_{YB}	127, 123, 160
Decimal	8354720
CIE Lab	53.19, 9.62, -19.25
CIE LCh	53, 21.517, 296.559
Yxy	21.2160, 0.2787, 0.2666
Android (android.graphics.Color)	4286544800 (0xFF7F7BA0)
YUV	128.4140, 15.5719, -1.2401
Hunter-Lab	46.0608, 5.3499, -14.3336

Details

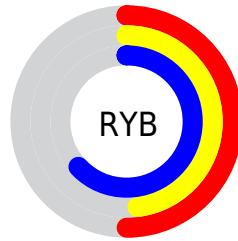
The XYZ color **22.1805, 21.2160, 36.1838** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.8570, 33.6402, 23.6594**, and the grayscale version is **20.6121, 21.6855, 23.6155**.

A 20% lighter version of the original color is **46.4181, 45.2695, 70.5814**, and **8.2161, 7.5580, 15.2132** is the 20% darker color. If you saturate the color by 10%, you get **18.3787, 16.5469, 35.4833**, and if you desaturate by 10%, it is **26.6092, 26.6908, 37.0075**.

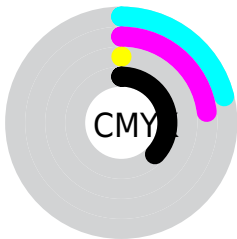
Distribution



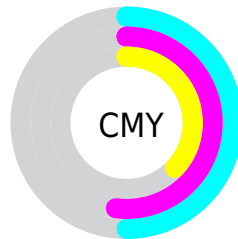
- Red (50%)
- Green (48%)
- Blue (63%)



- Red (50%)
- Yellow (48%)
- Blue (63%)



- Cyan (21%)
- Magenta (23%)
- Yellow (0%)
- Black (37%)



- Cyan (50%)
- Magenta (52%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1805, 21.2160, 36.1838 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 22.1805, 21.2160, 36.1838 by changing the saturation by 10% instead.

■ 22.1805, 21.2160,
36.1838

■ 22.1805, 21.2160,
36.1838

256.1021,
258.4242, 344.8249

■ 14.1069, 13.2820,
24.2854

■ 46.5208, 45.4467,
70.4879

■ 8.2773, 7.6230,
15.3313

■ 63.5182, 62.5123,
93.7306

■ 4.3262, 3.8547,
8.9030

■ 84.2210, 83.3904,
121.5919

■ 1.8883, 1.5926,
4.5820

108.9944,
108.4655, 154.4902

■ 0.5700, 0.3526,
1.9498

138.2039,
138.1221, 192.8441

■ 0.0000, 0.0000,
0.5241

172.2148,

■ 0.0000, 0.0000,

172.7445, 237.0722

0.0000

211.3924,
212.7170, 287.5929

■ 22.1805, 21.2160,
36.1838

■ 22.1805, 21.2160,
36.1838

■ 18.3787, 16.5469,
35.4833

■ 26.6092, 26.6908,
37.0075

■ 15.1733, 12.6431,
34.8987

■ 31.6891, 33.0042,
37.9583

■ 12.5346, 9.4642,
34.4242

■ 37.4461, 40.1904,
39.0420

■ 10.4292, 6.9653,
34.0529

■ 43.9037, 48.2809,
40.2633

■ 8.8205, 5.0967,
33.7770

■ 51.0845, 57.3056,
41.6267

■ 7.6668, 3.8013,
33.5877

■ 59.0099, 67.2932,
43.1368

■ 6.9197, 3.0120,
33.4747

■ 67.7007, 78.2709,
44.7977

■ 6.5817, 2.6600,
33.4246

■ 77.1765, 90.2650,
46.6133

■ 83.3452, 95.3181,
47.2636

Harmonies

Analogous

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



19.9043, 21.2160, 37.9610



22.1805, 21.2160, 36.1838



24.0313, 21.2160, 30.6972

Triad

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



22.1805, 21.2160, 36.1838



22.6676, 21.2160, 14.1604



16.1143, 21.2160, 22.3584

Complementary

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



22.1805, 21.2160, 36.1838



29.8570, 33.6402, 23.6594

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.



16.7377, 21.2160, 16.8737



22.1805, 21.2160, 36.1838



20.4283, 21.2160, 12.7341

Square

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



22.1805, 21.2160, 36.1838



24.3270, 21.2160, 17.9498



18.2758, 21.2160, 13.6259



16.5073, 21.2160, 29.1530

Rectangle

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



22.1805, 21.2160, 36.1838



24.7155, 21.2160, 26.1300



18.2758, 21.2160, 13.6259



16.2107, 21.2160, 20.3149

Sweetspot

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



22.1812, 21.2169, 36.1843



53.6927, 55.1402, 68.1997



26.4531, 30.6274, 37.7755



11.6659, 11.9567, 14.9367



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.



22.1812, 21.2169, 36.1843



36.3969, 33.7537, 64.9833



25.1412, 22.7428, 36.3228



6.3480, 6.4679, 8.3205



5.1469, 2.0824, 26.0379



0.1091, 0.0460, 0.4664

Inverse Universe

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



27.5816, 24.0407, 34.6400



48.0698, 39.8601, 61.5178



26.5948, 31.9584, 23.5067



6.8733, 6.7422, 8.1837



15.1478, 7.3637, 20.8270



0.2788, 0.1349, 0.4143

Previews

White Background



This preview shows how the XYZ color 22.1805, 21.2160, 36.1838 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 22.1805, 21.2160, 36.1838 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 22.1805, 21.2160, 36.1838

Background



This preview shows how black text looks on a background with the XYZ color 22.1805, 21.2160, 36.1838.



This preview shows how white text looks on a background with the XYZ color 22.1805, 21.2160,

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

22.1805, 21.2160, 36.1838

Protanopia

21.4537, 21.3819, 37.1788

Deuteranopia

21.7048, 21.3429, 36.2333



Tritanopia

20.2731, 21.1958, 26.6896

Trichromacy



Original Color

22.1805, 21.2160, 36.1838

Protanomaly

21.6518, 21.3054, 36.6894

Deuteranomaly

21.8650, 21.2385, 36.2047

Tritanomaly

20.8839, 21.2511, 29.7892

Monochromacy



Original Color

22.1805, 21.2160, 36.1838

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.0966, 21.4044, 27.8305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1805, 21.2160, 36.1838 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, 123, 160)` looks like.

```
.text, #text, p{  
    color:rgb(127, 123, 160)  
}
```

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, 123, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 123, 160) }
```

Border

The CSS property to change the border of an element to XYZ 22.1805, 21.2160, 36.1838 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, 123, 160) }
```


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

```
.border{ border-color:rgb(127, 123, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 123, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 123, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 123, 160);  
box-shadow:4px 4px 4px 4px rgb(127, 123,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1805, 21.2160, 36.1838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 123, 160) }
```

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

```
.background{ background-color: rgb(127,  
123, 160) }
```

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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