

Converting Colors

XYZ(22.0215, 20.8148, 32.9940)

Have a look what the booklet for
XYZ(22.0215, 20.8148, 32.9940)
contains.

XYZ(22.1029, 20.8802, 33.0023)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.1029, 20.8802,
33.0023)**

Conversions

Conversions Part 1

Format	Color
Hex	847999
RGB	132, 121, 153
RGB Percent	52%, 47%, 60%
CMY	0.4823, 0.5255, 0.4000
CMYK	0.14, 0.21, 0.00, 0.40
HSL	261°, 14%, 54%
HSV	261°, 21%, 60%
XYZ	22.1029, 20.8802, 33.0023
YIQ	127.9370, -3.7160, 12.2840

Conversions

Conversions Part 2

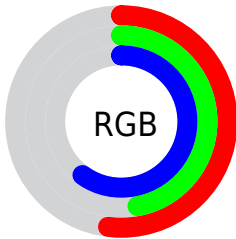
Format	Color
R_{YB}	132, 121, 153
Decimal	8681881
CIE _{Lab}	52.82, 10.84, -15.69
CIE _{LCh}	53, 19.076, 304.641
Yxy	20.8802, 0.2909, 0.2748
Android (android.graphics.Color)	4286871961 (0xFF847999)
YUV	127.9370, 12.3561, 3.5633
Hunter-Lab	45.6949, 6.3756, -10.8348

Details

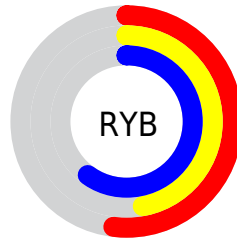
The XYZ color **22.1029, 20.8802, 33.0023** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.9984, 29.9142, 22.4939**, and the grayscale version is **20.4560, 21.5213, 23.4367**.

A 20% lighter version of the original color is **46.2136, 44.7064, 65.2250**, and **8.1953, 7.3879, 13.5644** is the 20% darker color. If you saturate the color by 10%, you get **18.8938, 16.6816, 32.3614**, and if you desaturate by 10%, it is **25.7594, 25.7483, 33.7495**.

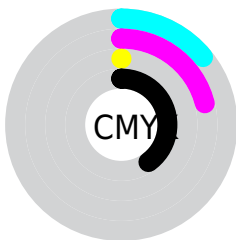
Distribution



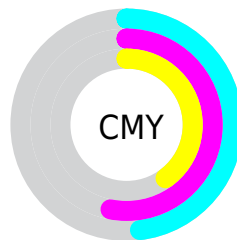
- Red (52%)
- Green (47%)
- Blue (60%)



- Red (52%)
- Yellow (47%)
- Blue (60%)



- Cyan (14%)
- Magenta (21%)
- Yellow (0%)
- Black (40%)



- Cyan (48%)
- Magenta (53%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1029, 20.8802, 33.0023 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 22.1029, 20.8802, 33.0023 by changing the saturation by 10% instead.

■ 22.1029, 20.8802,
33.0023

■ 22.1029, 20.8802,
33.0023

255.7054,
256.6411, 330.2924

■ 14.0496, 13.0365,
21.8571

■ 46.3936, 44.8881,
65.4952

■ 8.2371, 7.4537,
13.5546

■ 63.3617, 61.8210,
87.6799

■ 4.3001, 3.7474,
7.6764

■ 84.0320, 82.5524,
114.3815

■ 1.8733, 1.5333,
3.8038

108.7700,
107.4668, 146.0186

■ 0.5612, 0.3120,
1.5183

137.9410,
136.9484, 183.0097

■ 0.0000, 0.0000,
0.2315

171.9103,

■ 0.0000, 0.0000,

171.3818, 225.7734

0.0000

211.0433,
211.1512, 274.7281

■ 22.1029, 20.8802,
33.0023

■ 22.1029, 20.8802,
33.0023

■ 18.8938, 16.6816,
32.3614

■ 25.7594, 25.7483,
33.7495

■ 16.1120, 13.1199,
31.8205

■ 29.8783, 31.3112,
34.6062

■ 13.7387, 10.1638,
31.3750

■ 34.4764, 37.5963,
35.5770

■ 11.7529, 7.7780,
31.0192

■ 39.5690, 44.6285,
36.6660

■ 10.1314, 5.9237,
30.7467

■ 45.1707, 52.4316,
37.8769

■ 8.8485, 4.5570,
30.5505

■ 51.2955, 61.0283,
39.2134

■ 7.8744, 3.6264,
30.4222

■ 57.9568, 70.4404,
40.6790

■ 7.1967, 3.0458,
30.3459

■ 65.1676, 80.6889,
42.2771

■ 71.7474, 89.4080,
43.6133

Harmonies

Analogous

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



20.1574, 20.8802, 35.5091



22.1029, 20.8802, 33.0023



23.5108, 20.8802, 27.7621

Triad

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



22.1029, 20.8802, 33.0023



21.5314, 20.8802, 14.1962



16.2692, 20.8802, 23.6338

Complementary

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



22.1029, 20.8802, 33.0023



25.9984, 29.9142, 22.4939

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.



16.5834, 20.8802, 18.3546



22.1029, 20.8802, 33.0023



19.5378, 20.8802, 13.4635

Square

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



22.1029, 20.8802, 33.0023



23.1656, 20.8802, 17.0543



17.7482, 20.8802, 14.8542



16.8597, 20.8802, 29.5549

Rectangle

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



22.1029, 20.8802, 33.0023



23.9073, 20.8802, 23.7746



17.7482, 20.8802, 14.8542



16.2729, 20.8802, 21.7261

Sweetspot

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



22.1036, 20.8811, 33.0028



49.5633, 50.7303, 61.1516



23.3583, 25.8109, 33.8882



10.8503, 11.0752, 13.4834



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.1036, 20.8811, 33.0028



36.8543, 33.8051, 58.5546



24.7403, 22.2404, 33.1262



6.0747, 6.1244, 7.7909



5.9809, 2.5343, 25.0816



0.1259, 0.0567, 0.3767

Inverse Universe

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



24.8574, 22.4009, 28.6056



42.7254, 37.0482, 49.0510



23.4965, 28.6244, 22.3768



6.3709, 6.2875, 7.3335



12.7910, 6.3706, 10.6901



0.2082, 0.1020, 0.2490

Previews

White Background



This preview shows how the XYZ color 22.1029, 20.8802, 33.0023 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 22.1029, 20.8802, 33.0023 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 22.1029, 20.8802, 33.0023

Background



This preview shows how black text looks on a background with the XYZ color 22.1029, 20.8802, 33.0023.



This preview shows how white text looks on a background with the XYZ color 22.1029, 20.8802,

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

22.1029, 20.8802, 33.0023

Protanopia

20.9421, 20.9895, 34.4001

Deuteranopia

21.2902, 20.8258, 33.0347



Tritanopia

20.5640, 20.8037, 25.4859

Trichromacy



Original Color

22.1029, 20.8802, 33.0023

Protanomaly

21.4362, 21.0669, 33.9469

Deuteranomaly

21.6114, 20.8082, 33.0143

Tritanomaly

21.0966, 20.8348, 28.1089

Monochromacy



Original Color

22.1029, 20.8802, 33.0023

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.9022, 21.1405, 26.6458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1029, 20.8802, 33.0023 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(132, 121, 153)` looks like.

```
.text, #text, p{  
    color:rgb(132, 121, 153)  
}
```

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(132, 121, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 121, 153) }
```

Border

The CSS property to change the border of an element to XYZ 22.1029, 20.8802, 33.0023 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(132, 121, 153) }
```


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

```
.border{ border-color:rgb(132, 121, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 121, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 121, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 121, 153);  
box-shadow:4px 4px 4px 4px rgb(132, 121,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1029, 20.8802, 33.0023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 121, 153) }
```

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

```
.background{ background-color: rgb(132,  
121, 153) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor