

Converting Colors

XYZ(22.4309, 21.3174, 33.0435)

Have a look what the booklet for
XYZ(22.4309, 21.3174, 33.0435)
contains.

XYZ(22.3822, 21.2055, 33.0504)	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(22.3822, 21.2055,
33.0504)**

Conversions

Conversions Part 1

Format	Color
Hex	857A99
RGB	133, 122, 153
RGB Percent	52%, 48%, 60%
CMY	0.4784, 0.5216, 0.4000
CMYK	0.13, 0.20, 0.00, 0.40
HSL	261°, 13%, 54%
HSV	261°, 20%, 60%
XYZ	22.3822, 21.2055, 33.0504
YIQ	128.8230, -3.3950, 11.9730

Conversions

Conversions Part 2

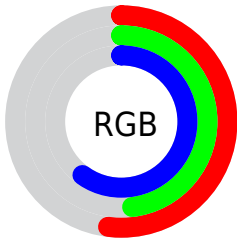
Format	Color
R_{YB}	133, 122, 153
Decimal	8747673
CIE _{Lab}	53.17, 10.60, -15.15
CIE _{LCh}	53, 18.487, 304.987
Yxy	21.2055, 0.2921, 0.2767
Android (android.graphics.Color)	4286937753 (0xFF857A99)
YUV	128.8230, 11.9193, 3.6632
Hunter-Lab	46.0494, 6.1729, -10.3188

Details

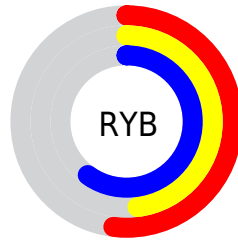
The XYZ color **22.3822, 21.2055, 33.0504** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.0600, 29.9389, 22.8185**, and the grayscale version is **20.7654, 21.8468, 23.7911**.

A 20% lighter version of the original color is **46.6482, 45.2162, 65.3005**, and **8.3481, 7.5634, 13.5903** is the 20% darker color. If you saturate the color by 10%, you get **19.1637, 16.9740, 32.4036**, and if you desaturate by 10%, it is **26.0443, 26.1058, 33.8036**.

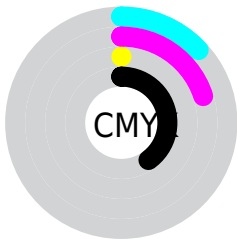
Distribution



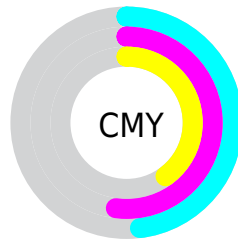
- Red (52%)
- Green (48%)
- Blue (60%)



- Red (52%)
- Yellow (48%)
- Blue (60%)



- Cyan (13%)
- Magenta (20%)
- Yellow (0%)
- Black (40%)



- Cyan (48%)
- Magenta (52%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3822, 21.2055, 33.0504 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 22.3822, 21.2055, 33.0504 by changing the saturation by 10% instead.

■ 22.3822, 21.2055,
33.0504

■ 22.3822, 21.2055,
33.0504

257.1308,
258.3686, 330.5157

■ 14.2562, 13.2743,
21.8936

■ 46.8510, 45.4293,
65.5711

■ 8.3819, 7.6177,
13.5812

■ 63.9246, 62.4907,
87.7722

■ 4.3942, 3.8513,
7.6945

■ 84.7113, 83.3642,
114.4917

■ 1.9274, 1.5907,
3.8152

109.5767,
108.4344, 146.1483

■ 0.5927, 0.3513,
1.5245

138.8859,
138.0855, 183.1604

■ 0.0000, 0.0000,
0.2361

173.0044,

■ 0.0000, 0.0000,

172.7020, 225.9467

0.0000

212.2976,
212.6682, 274.9256

■ 22.3822, 21.2055,
33.0504

■ 22.3822, 21.2055,
33.0504

■ 19.1637, 16.9740,
32.4036

■ 26.0443, 26.1058,
33.8036

■ 16.3689, 13.3791,
31.8570

■ 30.1648, 31.7001,
34.6662

■ 13.9795, 10.3895,
31.4059

■ 34.7602, 38.0154,
35.6430

■ 11.9748, 7.9706,
31.0447

■ 39.8455, 45.0766,
36.7379

■ 10.3320, 6.0838,
30.7671

■ 45.4351, 52.9072,
37.9548

■ 9.0260, 4.6857,
30.5660

■ 51.5429, 61.5299,
39.2972

■ 8.0274, 3.7256,
30.4334

■ 58.1820, 70.9663,
40.7687

■ 7.2867, 3.0922,
30.3501

■ 65.3652, 81.2372,
42.3726

■ 71.5858, 89.3247,
43.6057

Harmonies

Analogous

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



20.4828, 21.2055, 35.5225



22.3822, 21.2055, 33.0504



23.7471, 21.2055, 27.9332

Triad

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



22.3822, 21.2055, 33.0504



21.7823, 21.2055, 14.6619



16.6462, 21.2055, 24.0351

Complementary

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



22.3822, 21.2055, 33.0504



26.0600, 29.9389, 22.8185

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.



16.9451, 21.2055, 18.8403



22.3822, 21.2055, 33.0504



19.8311, 21.2055, 13.9595

Square

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



22.3822, 21.2055, 33.0504



23.3854, 21.2055, 17.4637



18.0810, 21.2055, 15.3623



17.2370, 21.2055, 29.8091

Rectangle

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



22.3822, 21.2055, 33.0504



24.1254, 21.2055, 24.0402



18.0810, 21.2055, 15.3623



16.6464, 21.2055, 22.1636

Sweetspot

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



22.3829, 21.2064, 33.0509



49.5966, 50.7475, 61.1532



23.4718, 25.8288, 33.8857



10.8583, 11.0794, 13.4837



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.



22.3829, 21.2064, 33.0509



37.5604, 34.6410, 58.6787



24.9861, 22.5484, 33.1727



6.0810, 6.1276, 7.7912



6.0559, 2.5730, 25.0852



0.1277, 0.0576, 0.3768

Inverse Universe

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



24.9795, 22.6452, 28.6463



43.0592, 37.6903, 49.2408



23.6051, 28.6733, 22.7037



6.3681, 6.2864, 7.3185



12.7236, 6.3437, 10.3354



0.2074, 0.1017, 0.2449

Previews

White Background



This preview shows how the XYZ color 22.3822, 21.2055, 33.0504 looks on a white background.

Color Contrast Check

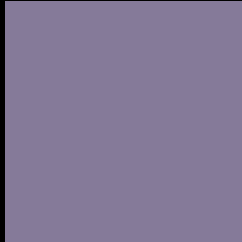
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3822, 21.2055, 33.0504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

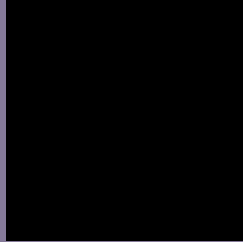
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.3822, 21.2055, 33.0504

Background



This preview shows how black text looks on a background with the XYZ color 22.3822, 21.2055, 33.0504.



This preview shows how white text looks on a background with the XYZ color 22.3822, 21.2055,

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

22.3822, 21.2055, 33.0504

Protanopia

21.2073, 21.3151, 34.4490

Deuteranopia

21.7098, 21.2272, 33.0900



Tritanopia

20.9127, 21.1623, 25.9042

Trichromacy



Original Color

22.3822, 21.2055, 33.0504

Protanomaly

21.7075, 21.3938, 33.9956

Deuteranomaly

21.8860, 21.1330, 33.0625

Tritanomaly

21.4502, 21.1936, 28.5514

Monochromacy



Original Color

22.3822, 21.2055, 33.0504

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.2542, 21.5025, 27.0749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3822, 21.2055, 33.0504 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(133, 122, 153)` looks like.

```
.text, #text, p{  
    color:rgb(133, 122, 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(133, 122, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 122, 153) }
```

Border

The CSS property to change the border of an element to XYZ 22.3822, 21.2055, 33.0504 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(133, 122, 153) }
```


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

```
.border{ border-color:rgb(133, 122, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 122, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 122, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 122, 153);  
box-shadow:4px 4px 4px 4px rgb(133, 122,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3822, 21.2055, 33.0504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 122, 153) }
```

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

```
.background{ background-color: rgb(133,  
122, 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](#).

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