

Converting Colors

XYZ(21.1003, 22.2439, 31.0078)

Have a look what the booklet for
XYZ(21.1003, 22.2439, 31.0078)
contains.

XYZ(21.2073, 22.3638, 31.2159)	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(21.2073, 22.3638,
31.2159)**

Conversions

Conversions Part 1

Format	Color
Hex	788394
RGB	120, 131, 148
RGB Percent	47%, 51%, 58%
CMY	0.5294, 0.4863, 0.4196
CMYK	0.19, 0.11, 0.00, 0.42
HSL	216°, 12%, 53%
HSV	216°, 19%, 58%
XYZ	21.2073, 22.3638, 31.2159
YIQ	129.6490, -12.0130, 2.9550

Conversions

Conversions Part 2

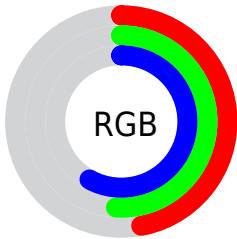
Format	Color
R_{YB}	120, 128, 148
Decimal	7898004
CIE _{Lab}	54.41, -0.23, -10.48
CIE _{LCh}	54, 10.481, 268.729
Yxy	22.3638, 0.2836, 0.2990
Android (android.graphics.Color)	4286088084 (0xFF788394)
YUV	129.6490, 9.0470, -8.4622
Hunter-Lab	47.2904, -2.7101, -6.0335

Details

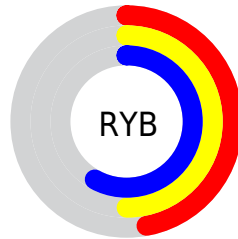
The XYZ color **21.2073, 22.3638, 31.2159** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.5487, 25.5432, 21.4062**, and the grayscale version is **21.0669, 22.1640, 24.1366**.

A 20% lighter version of the original color is **45.0347, 47.4295, 62.6583**, and **7.7735, 8.2372, 12.4895** is the 20% darker color. If you saturate the color by 10%, you get **18.1565, 19.0772, 30.7427**, and if you desaturate by 10%, it is **24.6814, 26.0252, 31.7399**.

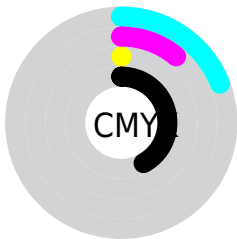
Distribution



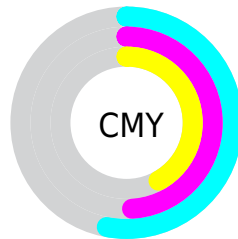
- Red (47%)
- Green (51%)
- Blue (58%)



- Red (47%)
- Yellow (50%)
- Blue (58%)



- Cyan (19%)
- Magenta (11%)
- Yellow (0%)
- Black (42%)



- Cyan (53%)
- Magenta (49%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2073, 22.3638, 31.2159 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 21.2073, 22.3638, 31.2159 by changing the saturation by 10% instead.

■ 21.2073, 22.3638,
31.2159

■ 21.2073, 22.3638,
31.2159

251.0890,
264.4403, 321.9137

■ 13.3889, 14.1245,
20.5035

■ 44.9210, 47.3465,
62.6634

■ 7.7758, 8.2073,
12.5738

■ 61.5470, 64.8587,
84.2355

■ 4.0024, 4.2279,
7.0085

■ 81.8396, 86.2307,
110.2646

■ 1.7035, 1.8018,
3.3889

106.1642,
111.8468, 141.1692

■ 0.4585, 0.4883,
1.2965

134.8860,
142.0914, 177.3679

■ 0.0000, 0.0000,
0.0589

168.3706,

■ 0.0000, 0.0000,

177.3489, 219.2792

0.0000

206.9831,
218.0037, 267.3216

■ 21.2073, 22.3638,
31.2159

■ 21.2073, 22.3638,
31.2159

■ 18.1565, 19.0772,
30.7427

■ 24.6814, 26.0252,
31.7399

■ 15.5098, 16.1497,
30.3171

■ 28.5929, 30.0706,
32.3146

■ 13.2495, 13.5688,
29.9381

■ 32.9578, 34.5126,
32.9419

■ 11.3556, 11.3199,
29.6038

■ 37.7905, 39.3621,
33.6232

■ 9.8062, 9.3872,
29.3124

■ 43.1049, 44.6297,
34.3599

■ 8.5770, 7.7536,
29.0619

■ 48.9143, 50.3255,
35.1531

■ 7.6397, 6.3994,
28.8499

■ 55.2313, 56.4594,
36.0041

■ 6.9358, 5.2893,
28.6727

■ 62.0683, 63.0407,
36.9141

■ 6.8662, 5.1797,
28.6553

■ 69.4370, 70.0787,
37.8842

Harmonies

Analogous

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



20.1333, 22.3638, 30.1488



21.2073, 22.3638, 31.2159



22.3323, 22.3638, 30.3104

Triad

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



21.2073, 22.3638, 31.2159



23.2464, 22.3638, 21.4428



19.4288, 22.3638, 21.2209

Complementary

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



21.2073, 22.3638, 31.2159



24.5487, 25.5432, 21.4062

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.



20.2150, 22.3638, 19.2278



21.2073, 22.3638, 31.2159



22.4199, 22.3638, 19.3476

Square

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



21.2073, 22.3638, 31.2159



23.5347, 22.3638, 24.4906



21.3050, 22.3638, 18.5734



19.1295, 22.3638, 24.2107

Rectangle

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



21.2073, 22.3638, 31.2159



22.9547, 22.3638, 28.7522



21.3050, 22.3638, 18.5734



19.6435, 22.3638, 20.4225

Sweetspot

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



21.2080, 22.3647, 31.2164



45.4011, 47.8479, 56.2773



22.8370, 26.9737, 27.5950



10.2761, 10.8313, 12.8339



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



21.2080, 22.3647, 31.2164



34.8847, 36.7468, 54.6888



20.2020, 19.7677, 30.7682



5.6753, 5.9845, 7.3257



5.8898, 4.4745, 24.4843



0.0994, 0.1094, 0.3088

Inverse Universe

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



23.0265, 21.3680, 24.3846



38.7737, 34.7581, 40.0466



25.6928, 28.5742, 21.9309



5.8895, 5.8509, 6.5244



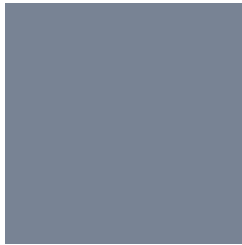
11.1000, 5.6451, 4.0076



0.1496, 0.0746, 0.1216

Previews

White Background



This preview shows how the XYZ color 21.2073, 22.3638, 31.2159 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 21.2073, 22.3638, 31.2159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

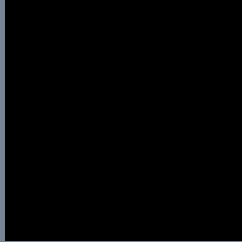
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.2073, 22.3638, 31.2159

Background



This preview shows how black text looks on a background with the XYZ color 21.2073, 22.3638, 31.2159.



This preview shows how white text looks on a background with the XYZ color 21.2073, 22.3638,

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

21.2073, 22.3638, 31.2159

Protanopia

21.8691, 22.3191, 30.7592

Deuteranopia

22.8457, 22.4170, 31.5566



Tritanopia

20.7415, 22.3775, 28.8173

Trichromacy



Original Color

21.2073, 22.3638, 31.2159

Protanomaly

21.5613, 22.3569, 30.7827

Deuteranomaly

22.1972, 22.2754, 31.5634

Tritanomaly

20.8931, 22.4381, 29.6154

Monochromacy



Original Color

21.2073, 22.3638, 31.2159

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.1022, 22.2070, 26.8411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2073, 22.3638, 31.2159 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(120, 131, 148)` looks like.

```
.text, #text, p{  
    color:rgb(120, 131, 148)  
}
```

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(120, 131, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 131, 148) }
```

Border

The CSS property to change the border of an element to XYZ 21.2073, 22.3638, 31.2159 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(120, 131, 148) }
```


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

```
.border{ border-color:rgb(120, 131, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 131, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 131, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 131, 148);  
box-shadow:4px 4px 4px 4px rgb(120, 131,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2073, 22.3638, 31.2159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 131, 148) }
```

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

```
.background{ background-color: rgb(120,  
131, 148) }
```

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