

Converting Colors

XYZ(22.2742, 22.3336, 30.7420)

Have a look what the booklet for
XYZ(22.2742, 22.3336, 30.7420)
contains.

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Color

**XYZ(22.3457, 22.3702,
30.7439)**

Conversions

Conversions Part 1

Format	Color
Hex	838093
RGB	131, 128, 147
RGB Percent	51%, 50%, 58%
CMY	0.4863, 0.4980, 0.4235
CMYK	0.11, 0.13, 0.00, 0.42
HSL	249°, 8%, 54%
HSV	249°, 13%, 58%
XYZ	22.3457, 22.3702, 30.7439
YIQ	131.0630, -4.3110, 6.5450

Conversions

Conversions Part 2

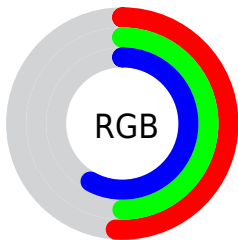
Format	Color
R_{YB}	131, 128, 147
Decimal	8618131
CIE _{Lab}	54.42, 5.07, -9.80
CIE _{LCh}	54, 11.033, 297.359
Yxy	22.3702, 0.2961, 0.2965
Android (android.graphics.Color)	4286808211 (0xFF838093)
YUV	131.0630, 7.8569, -0.0553
Hunter-Lab	47.2971, 1.5629, -5.4314

Details

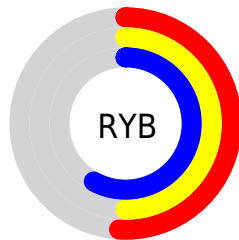
The XYZ color **22.3457, 22.3702, 30.7439** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.8324, 28.3558, 24.5348**, and the grayscale version is **21.5703, 22.6937, 24.7134**.

A 20% lighter version of the original color is **46.8337, 47.4551, 61.9497**, and **8.3870, 8.2303, 12.2129** is the 20% darker color. If you saturate the color by 10%, you get **18.7614, 17.8798, 30.0664**, and if you desaturate by 10%, it is **26.4383, 27.5362, 31.5257**.

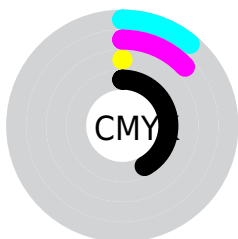
Distribution



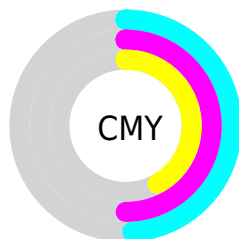
- Red (51%)
- Green (50%)
- Blue (58%)



- Red (51%)
- Yellow (50%)
- Blue (58%)



- Cyan (11%)
- Magenta (13%)
- Yellow (0%)
- Black (42%)



- Cyan (49%)
- Magenta (50%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3457, 22.3702, 30.7439 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 22.3457, 22.3702, 30.7439 by changing the saturation by 10% instead.

■ 22.3457, 22.3702,
30.7439

■ 22.3457, 22.3702,
30.7439

256.9449,
264.4735, 319.6713

■ 14.2292, 14.1292,
20.1471

■ 46.7913, 47.3571,
61.9115

■ 8.3630, 8.2106,
12.3169

■ 63.8511, 64.8718,
83.3193

■ 4.3818, 4.2300,
6.8347

■ 84.6227, 86.2464,
109.1679

■ 1.9203, 1.8030,
3.2821

109.4714,
111.8655, 139.8759

■ 0.5886, 0.4891,
1.2404

138.7626,
142.1133, 175.8616

■ 0.0000, 0.0000,
0.0122

172.8617,

■ 0.0000, 0.0000,

177.3743, 217.5437

0.0000

212.1340,
218.0329, 265.3408

■ 22.3457, 22.3702,
30.7439

■ 22.3457, 22.3702,
30.7439

■ 18.7614, 17.8798,
30.0664

■ 26.4383, 27.5362,
31.5257

■ 15.6634, 14.0342,
29.4874

■ 31.0560, 33.4013,
32.4144

■ 13.0312, 10.8045,
29.0028

■ 36.2173, 39.9913,
33.4144

■ 10.8419, 8.1585,
28.6074

■ 41.9392, 47.3299,
34.5293

■ 9.0706, 6.0609,
28.2959

■ 48.2379, 55.4395,
35.7626

■ 7.6902, 4.4726,
28.0621

■ 55.1291, 64.3419,
37.1177

■ 6.6698, 3.3493,
27.8991

■ 62.6278, 74.0578,
38.5979

■ 5.9739, 2.6389,
27.7986

■ 70.7484, 84.6072,
40.2061

■ 5.6245, 2.2911,
27.7499

■ 77.7894, 92.5786,
41.3736

Harmonies

Analogous

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



21.1556, 22.3702, 31.6112



22.3457, 22.3702, 30.7439



23.2751, 22.3702, 28.1175

Triad

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



22.3457, 22.3702, 30.7439



22.5375, 22.3702, 19.1825



19.0291, 22.3702, 24.0527

Complementary

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



22.3457, 22.3702, 30.7439



25.8324, 28.3558, 24.5348

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.



19.3689, 22.3702, 20.9483



22.3457, 22.3702, 30.7439



21.3692, 22.3702, 18.3078

Square

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



22.3457, 22.3702, 30.7439



23.3887, 22.3702, 21.4312



20.2143, 22.3702, 18.9228



19.2687, 22.3702, 27.5384

Rectangle

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



22.3457, 22.3702, 30.7439



23.6059, 22.3702, 25.8396



20.2143, 22.3702, 18.9228



19.0790, 22.3702, 22.9329

Sweetspot

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



22.3464, 22.3711, 30.7444



46.4502, 48.1780, 56.2857



24.1652, 26.6884, 31.4818



10.4809, 10.8428, 12.8253



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.



22.3464, 22.3711, 30.7444



37.7323, 37.1910, 54.6245



23.8607, 23.1518, 30.8153



5.5797, 5.6743, 7.2709



4.8908, 1.9939, 24.0581



0.0760, 0.0327, 0.2952

Inverse Universe

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



24.7866, 23.6559, 29.6462



43.1403, 40.0395, 52.1438



24.2661, 27.5484, 24.4615



5.9964, 5.8936, 7.0872



13.5821, 6.6379, 17.0784



0.1747, 0.0846, 0.2538

Previews

White Background



This preview shows how the XYZ color 22.3457, 22.3702, 30.7439 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 22.3457, 22.3702, 30.7439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

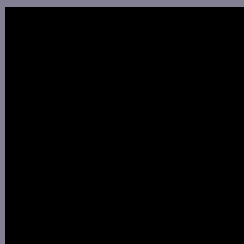
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.3457, 22.3702, 30.7439

Background



This preview shows how black text looks on a background with the XYZ color 22.3457, 22.3702, 30.7439.



This preview shows how white text looks on a background with the XYZ color 22.3457, 22.3702,

30.7439.

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

22.3457, 22.3702, 30.7439

Protanopia

21.9479, 22.3507, 31.1743

Deuteranopia

22.8475, 22.4362, 30.7302



Tritanopia

21.7164, 22.3104, 27.5879

Trichromacy



Original Color

22.3457, 22.3702, 30.7439

Protanomaly

22.0976, 22.4278, 31.1813

Deuteranomaly

22.6873, 22.3537, 30.7227

Tritanomaly

21.9387, 22.3993, 28.7584

Monochromacy



Original Color

22.3457, 22.3702, 30.7439

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.8581, 22.5967, 26.8765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3457, 22.3702, 30.7439 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(131, 128, 147)` looks like.

```
.text, #text, p{  
    color:rgb(131, 128, 147)  
}
```

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(131, 128, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 128, 147) }
```

Border

The CSS property to change the border of an element to XYZ 22.3457, 22.3702, 30.7439 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(131, 128, 147) }
```


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

```
.border{ border-color:rgb(131, 128, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 128, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 128, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 128, 147);  
box-shadow:4px 4px 4px 4px rgb(131, 128,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3457, 22.3702, 30.7439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 128, 147) }
```

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

```
.background{ background-color: rgb(131,  
128, 147) }
```

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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