

Converting Colors

XYZ(22.2315, 19.4602, 37.4254)

Have a look what the booklet for
XYZ(22.2315, 19.4602, 37.4254)
contains.

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Color

**XYZ(22.1889, 19.4411,
37.2334)**

Conversions

Conversions Part 1

Format	Color
Hex	8571A3
RGB	133, 113, 163
RGB Percent	52%, 44%, 64%
CMY	0.4784, 0.5569, 0.3608
CMYK	0.18, 0.31, 0.00, 0.36
HSL	264°, 21%, 54%
HSV	264°, 31%, 64%
XYZ	22.1889, 19.4411, 37.2334
YIQ	124.6800, -4.1300, 19.7900

Conversions

Conversions Part 2

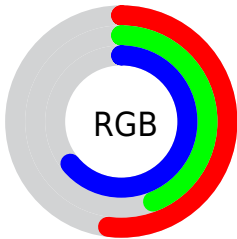
Format	Color
R_{YB}	133, 113, 163
Decimal	8745379
CIE _{Lab}	51.20, 18.22, -24.00
CIE _{LCh}	51, 30.130, 307.206
Yxy	19.4411, 0.2814, 0.2465
Android (android.graphics.Color)	4286935459 (0xFF8571A3)
YUV	124.6800, 18.8918, 7.2966
Hunter-Lab	44.0921, 12.6673, -19.2028

Details

The XYZ color **22.1889, 19.4411, 37.2334** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.4060, 33.2267, 20.5924**, and the grayscale version is **19.3256, 20.3321, 22.1416**.

A 20% lighter version of the original color is **46.6035, 42.5370, 72.0839**, and **8.2392, 6.7221, 15.9022** is the 20% darker color. If you saturate the color by 10%, you get **19.0584, 15.3662, 36.6122**, and if you desaturate by 10%, it is **25.7911, 24.2449, 37.9711**.

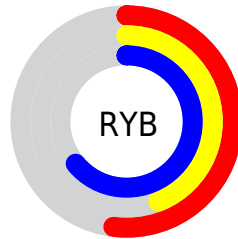
Distribution



Red (52%)

Green (44%)

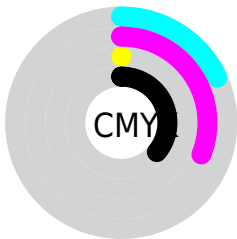
Blue (64%)



Red (52%)

Yellow (44%)

Blue (64%)

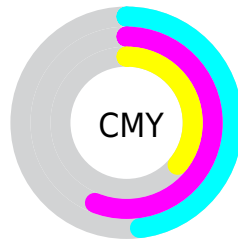


Cyan (18%)

Magenta (31%)

Yellow (0%)

Black (36%)



Cyan (48%)

Magenta (56%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1889, 19.4411, 37.2334 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 22.1889, 19.4411, 37.2334 by changing the saturation by 10% instead.

■ 22.1889, 19.4411,
37.2334

■ 22.1889, 19.4411,
37.2334

256.1450,
248.8732, 349.5190

■ 14.1131, 11.9894,
25.0911

■ 46.5345, 42.4781,
72.1219

■ 8.2816, 6.7365,
15.9253

■ 63.5351, 58.8323,
95.7052

■ 4.3290, 3.2979,
9.3175

■ 84.2414, 78.9228,
123.9392

■ 1.8899, 1.2891,
4.8492

■ 109.0187,
103.1339, 157.2425

■ 0.5710, 0.1328,
2.1019

138.2323,
131.8501, 196.0336

■ 0.0000, 0.0000,
0.6169

172.2477,

■ 0.0000, 0.0000,

165.4558, 240.7310

0.0000

211.4301,
204.3354, 291.7533

■ 22.1889, 19.4411,
37.2334

■ 22.1889, 19.4411,
37.2334

■ 19.0584, 15.3662,
36.6122

■ 25.7911, 24.2449,
37.9711

■ 16.3763, 11.9809,
36.1001

■ 29.8830, 29.8096,
38.8295

■ 14.1199, 9.2456,
35.6911

■ 34.4840, 36.1680,
39.8143

■ 12.2639, 7.1156,
35.3778

■ 39.6117, 43.3503,
40.9304

■ 10.7795, 5.5403,
35.1519

■ 45.2830, 51.3853,
42.1824

■ 9.6336, 4.4604,
35.0039

■ 51.5139, 60.3000,
43.5747

■ 8.8043, 3.7751,
34.9153

■ 58.3198, 70.1204,
45.1115

■ 65.7154, 80.8716,
46.7969

■ 72.1962, 89.5399,
48.1285

Harmonies

Analogous

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



19.2110, 19.4411, 42.1423



22.1889, 19.4411, 37.2334



24.3202, 19.4411, 28.2321

Triad

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



22.1889, 19.4411, 37.2334



20.8034, 19.4411, 9.3018



13.3275, 19.4411, 23.3079

Complementary

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



22.1889, 19.4411, 37.2334



27.4060, 33.2267, 20.5924

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.



13.6557, 19.4411, 15.3931



22.1889, 19.4411, 37.2334



17.7642, 19.4411, 8.6477

Square

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



22.1889, 19.4411, 37.2334



23.4618, 19.4411, 12.6701



15.2061, 19.4411, 10.5512



14.2555, 19.4411, 32.8066

Rectangle

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



22.1889, 19.4411, 37.2334



24.8567, 19.4411, 21.9832



15.2061, 19.4411, 10.5512



13.2964, 19.4411, 20.3733

Sweetspot

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



22.1895, 19.4419, 37.2338



54.7000, 55.0096, 69.7910



23.2440, 25.8006, 38.4056



12.0391, 12.0168, 15.6225



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



22.1895, 19.4419, 37.2338



35.7210, 29.5674, 65.8805



26.6171, 21.7244, 37.4410



6.9561, 6.9917, 8.8860



6.8910, 2.9589, 27.1377



0.1973, 0.0893, 0.5727

Inverse Universe

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



25.9678, 21.5806, 28.7838



43.7560, 34.1218, 47.6338



23.5496, 31.2387, 20.4120



7.2438, 7.1540, 8.2701



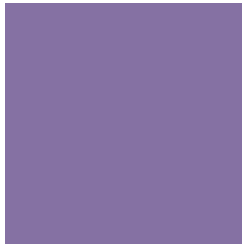
13.4677, 6.7431, 9.6533



0.3054, 0.1507, 0.3209

Previews

White Background



This preview shows how the XYZ color 22.1889, 19.4411, 37.2334 looks on a white background.

Color Contrast Check

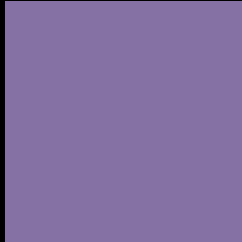
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1889, 19.4411, 37.2334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

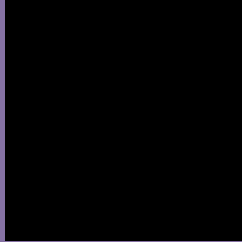
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.1889, 19.4411, 37.2334

Background



This preview shows how black text looks on a background with the XYZ color 22.1889, 19.4411, 37.2334.



This preview shows how white text looks on a background with the XYZ color 22.1889, 19.4411,

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

22.1889, 19.4411, 37.2334

Protanopia

20.0622, 19.4857, 40.2398

Deuteranopia

19.9201, 19.4863, 36.8937



Tritanopia

19.4313, 19.5299, 23.5144

Trichromacy



Original Color

22.1889, 19.4411, 37.2334

Protanomaly

20.6725, 19.2945, 39.1939

Deuteranomaly

20.6286, 19.3243, 36.8251

Tritanomaly

20.2223, 19.3128, 27.8612

Monochromacy



Original Color

22.1889, 19.4411, 37.2334

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.3997, 20.1280, 27.2360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1889, 19.4411, 37.2334 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, 113, 163)` looks like.

```
.text, #text, p{  
    color:rgb(133, 113, 163)  
}
```

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, 113, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 113, 163) }
```

Border

The CSS property to change the border of an element to XYZ 22.1889, 19.4411, 37.2334 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, 113, 163) }
```


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

```
.border{ border-color:rgb(133, 113, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 113, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 113, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 113, 163);  
box-shadow:4px 4px 4px 4px rgb(133, 113,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1889, 19.4411, 37.2334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 113, 163) }
```

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

```
.background{ background-color: rgb(133,  
113, 163) }
```

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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