

Converting Colors

XYZ(22.2821, 20.4659, 39.0735)

Have a look what the booklet for
XYZ(22.2821, 20.4659, 39.0735)
contains.

XYZ(22.2322, 20.4589, 38.8536)	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(22.2322, 20.4589,
38.8536)**

Conversions

Conversions Part 1

Format	Color
Hex	7F77A6
RGB	127, 119, 166
RGB Percent	50%, 47%, 65%
CMY	0.5020, 0.5333, 0.3490
CMYK	0.23, 0.28, 0.00, 0.35
HSL	250°, 21%, 56%
HSV	250°, 28%, 65%
XYZ	22.2322, 20.4589, 38.8536
YIQ	126.7500, -10.3190, 16.3130

Conversions

Conversions Part 2

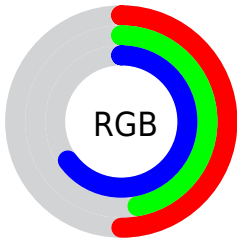
Format	Color
R_{YB}	127, 119, 166
Decimal	8353702
CIE _{Lab}	52.35, 13.45, -24.01
CIE _{LCh}	52, 27.520, 299.258
Yxy	20.4589, 0.2726, 0.2509
Android (android.graphics.Color)	4286543782 (0xFF7F77A6)
YUV	126.7500, 19.3502, 0.2193
Hunter-Lab	45.2315, 8.5812, -19.2677

Details

The XYZ color **22.2322, 20.4589, 38.8536** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.0671, 35.8739, 22.7406**, and the grayscale version is **20.0260, 21.0690, 22.9441**.

A 20% lighter version of the original color is **46.4364, 44.0496, 74.4616**, and **8.3511, 7.2992, 16.8883** is the 20% darker color. If you saturate the color by 10%, you get **18.5134, 15.8611, 38.1625**, and if you desaturate by 10%, it is **26.5779, 25.8930, 39.6738**.

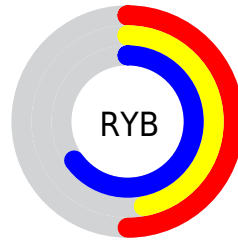
Distribution



Red (50%)

Green (47%)

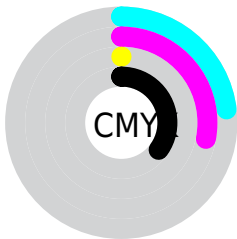
Blue (65%)



Red (50%)

Yellow (47%)

Blue (65%)

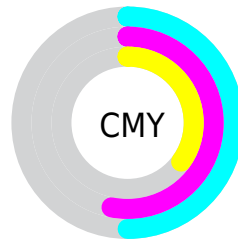


Cyan (23%)

Magenta (28%)

Yellow (0%)

Black (35%)



Cyan (50%)

Magenta (53%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2322, 20.4589, 38.8536 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 22.2322, 20.4589, 38.8536 by changing the saturation by 10% instead.

■ 22.2322, 20.4589,
38.8536

■ 22.2322, 20.4589,
38.8536

256.3661,
254.3887, 356.6750

■ 14.1452, 12.7291,
26.3389

■ 46.6055, 44.1852,
74.6325

■ 8.3041, 7.2422,
16.8493

■ 63.6224, 60.9505,
98.7338

■ 4.3436, 3.6141,
9.9663

■ 84.3468, 81.4964,
127.5343

■ 1.8983, 1.4601,
5.2713

109.1438,
106.2073, 161.4527

■ 0.5758, 0.2604,
2.3458

138.3789,
135.4676, 200.9074

■ 0.0000, 0.0000,
0.7567

172.4174,

■ 0.0000, 0.0000,

169.6616, 246.3170

0.0000

211.6247,
209.1739, 298.1000

■ 22.2322, 20.4589,
38.8536

■ 22.2322, 20.4589,
38.8536

■ 18.5134, 15.8611,
38.1625

■ 26.5779, 25.8930,
39.6738

■ 15.3903, 12.0555,
37.5925

■ 31.5758, 32.1999,
40.6277

■ 12.8318, 8.9976,
37.1371

■ 37.2523, 39.4166,
41.7215

■ 10.8034, 6.6373,
36.7885

■ 43.6316, 47.5774,
42.9605

■ 9.2664, 4.9185,
36.5377

■ 50.7368, 56.7148,
44.3497

■ 8.1767, 3.7760,
36.3746

■ 58.5900, 66.8598,
45.8940

■ 7.4659, 3.0989,
36.2814

■ 67.2121, 78.0419,
47.5979

■ 7.3689, 3.0037,
36.2681

■ 76.6234, 90.2895,
49.4659

■ 82.4173, 94.7776,
50.0268

Harmonies

Analogous

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



19.3750, 20.4589, 41.8082



22.2322, 20.4589, 38.8536



24.5150, 20.4589, 31.2439

Triad

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



22.2322, 20.4589, 38.8536



22.3662, 20.4589, 11.3753



14.4899, 20.4589, 22.0747

Complementary

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



22.2322, 20.4589, 38.8536



31.0671, 35.8739, 22.7406

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.



15.1281, 20.4589, 15.2132



22.2322, 20.4589, 38.8536



19.5163, 20.4589, 10.0317

Square

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



22.2322, 20.4589, 38.8536



24.5975, 20.4589, 15.4864



16.9021, 20.4589, 11.2466



15.0685, 20.4589, 30.8071

Rectangle

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



22.2322, 20.4589, 38.8536



25.3056, 20.4589, 25.3136



16.9021, 20.4589, 11.2466



14.5682, 20.4589, 19.4922

Sweetspot

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



22.2329, 20.4597, 38.8541



57.4648, 58.6396, 73.7651



26.7466, 31.1863, 40.6866



12.5442, 12.7232, 16.4468



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



22.2329, 20.4597, 38.8541



35.9553, 31.6861, 69.6963



26.1195, 22.4634, 39.0360



7.2464, 7.3596, 9.4570



5.7426, 2.3438, 28.1252



0.1733, 0.0743, 0.6859

Inverse Universe

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



28.4949, 23.7701, 35.4347



49.2956, 38.7444, 62.1371



26.9048, 33.7281, 22.5458



7.7863, 7.6444, 9.1917



15.7527, 7.7098, 19.3072



0.3973, 0.1932, 0.5437

Previews

White Background



This preview shows how the XYZ color 22.2322, 20.4589, 38.8536 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 22.2322, 20.4589, 38.8536 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 22.2322, 20.4589, 38.8536

Background



This preview shows how black text looks on a background with the XYZ color 22.2322, 20.4589, 38.8536.



This preview shows how white text looks on a background with the XYZ color 22.2322, 20.4589,

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

22.2322, 20.4589, 38.8536

Protanopia

20.9265, 20.4752, 40.3853

Deuteranopia

20.9447, 20.5274, 38.4556



Tritanopia

19.5919, 20.4814, 25.8424

Trichromacy



Original Color

22.2322, 20.4589, 38.8536

Protanomaly

21.3635, 20.5281, 39.8821

Deuteranomaly

21.3588, 20.5576, 38.4396

Tritanomaly

20.4396, 20.4522, 30.0645

Monochromacy



Original Color

22.2322, 20.4589, 38.8536

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.7678, 20.8504, 28.1293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2322, 20.4589, 38.8536 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(127, 119, 166)` looks like.

```
.text, #text, p{  
    color:rgb(127, 119, 166)  
}
```

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(127, 119, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 119, 166) }
```

Border

The CSS property to change the border of an element to XYZ 22.2322, 20.4589, 38.8536 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(127, 119, 166) }
```


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

```
.border{ border-color:rgb(127, 119, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 119, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 119, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 119, 166);  
box-shadow:4px 4px 4px 4px rgb(127, 119,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2322, 20.4589, 38.8536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 119, 166) }
```

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

```
.background{ background-color: rgb(127,  
119, 166) }
```

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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