

Converting Colors

XYZ(38.8152, 44.5128, 21.1984)

Have a look what the booklet for
XYZ(38.8152, 44.5128, 21.1984)
contains.

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Color

**XYZ(38.8338, 44.5268,
21.2996)**

Conversions

Conversions Part 1

Format	Color
Hex	B6B66E
RGB	182, 182, 110
RGB Percent	71%, 71%, 43%
CMY	0.2863, 0.2863, 0.5686
CMYK	0.00, 0.00, 0.40, 0.29
HSL	60°, 33%, 57%
HSV	60°, 40%, 71%
XYZ	38.8338, 44.5268, 21.2996
YIQ	173.7920, 23.1120, -22.3920

Conversions

Conversions Part 2

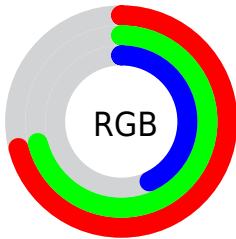
Format	Color
RYB	110, 182, 110
Decimal	11974254
CIELab	72.58, -10.79, 36.62
CIElCh	73, 38.179, 106.416
Yxy	44.5268, 0.3710, 0.4254
Android (android.graphics.Color)	4290164334 (0xFFB6B6E)
YUV	173.7920, -31.4495, 7.1984
Hunter-Lab	66.7284, -12.8934, 27.7846

Details

The XYZ color **38.8338, 44.5268, 21.2996** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **20.4515, 17.8454, 46.6253**, and the grayscale version is **40.2743, 42.3717, 46.1427**.

A 20% lighter version of the original color is **72.7820, 82.1441, 46.6697**, and **17.5680, 20.6160, 7.3283** is the 20% darker color. If you saturate the color by 10%, you get **37.9431, 44.1721, 16.6060**, and if you desaturate by 10%, it is **39.9303, 44.9670, 27.0670**.

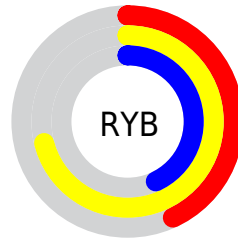
Distribution



Red (71%)

Green (71%)

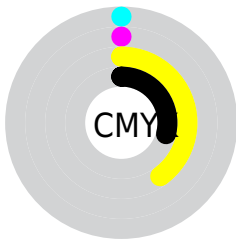
Blue (43%)



Red (43%)

Yellow (71%)

Blue (43%)

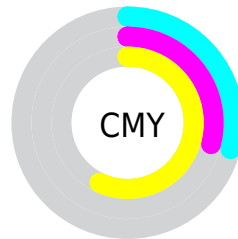


Cyan (0%)

Magenta (0%)

Yellow (40%)

Black (29%)



Cyan (29%)

Magenta (29%)

Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8338, 44.5268, 21.2996 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 38.8338, 44.5268, 21.2996 by changing the saturation by 10% instead.


 38.8338, 44.5268,
21.2996


 38.8338, 44.5268,
21.2996


332.4027,
364.8537, 271.6996


 26.8106, 31.0849,
13.1498

 72.6800, 82.0099,
46.4729


 17.5669, 20.6635,
7.3998


 95.2338, 106.8198,
64.3334

 10.7373, 12.8782,
3.6312


 122.0285,
136.1878, 86.2680

 5.9564, 7.3448,
1.4253


 153.4294,
170.4984, 112.6951

 2.8590, 3.6786,
0.1613

189.8019,
210.1359, 144.0332

 1.0797, 1.4955,
0.0000

231.5114,

 0.0080, 0.2855,

255.4846, 180.7010

0.0000

278.9232,
306.9291, 223.1170

■ 0.0000, 0.0000,
0.0000

■ 38.8338, 44.5268,
21.2996

■ 38.8338, 44.5268,
21.2996

■ 37.9431, 44.1721,
16.6060

■ 39.9303, 44.9670,
27.0670

■ 37.2423, 43.8917,
12.9174

■ 41.2407, 45.4912,
33.9658

■ 36.7186, 43.6822,
10.1612


■ 42.7767, 46.1057,
42.0531


■ 36.3561, 43.5372,
8.2541


■ 44.5484, 46.8144,
51.3810


■ 36.1363, 43.4492,
7.0980


■ 46.5650, 47.6211,
61.9987


 36.0228, 43.4038,
6.5021

 48.8354, 48.5292,
73.9526

 36.0184, 43.4020,
6.4791

 51.3679, 49.5423,
87.2870

 54.0728, 50.6243,
101.5293

 54.0731, 50.6244,
101.5293

Harmonies

Analogous

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



45.3737, 44.5268, 21.0319



38.8338, 44.5268, 21.2996



33.7750, 44.5268, 27.4872

Triad

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



38.8338, 44.5268, 21.2996



34.1583, 44.5268, 79.8773



55.9004, 44.5268, 57.5329

Complementary

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



38.8338, 44.5268, 21.2996



20.4515, 17.8454, 46.6253

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.



52.2000, 44.5268, 78.1173



38.8338, 44.5268, 21.2996



39.4091, 44.5268, 93.1086

Square

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



38.8338, 44.5268, 21.2996



31.2739, 44.5268, 59.5011



46.0118, 44.5268, 92.3916



55.7051, 44.5268, 38.9152

Rectangle

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



38.8338, 44.5268, 21.2996



31.7197, 44.5268, 35.3415



46.0118, 44.5268, 92.3916



55.0557, 44.5268, 64.5326

Sweetspot

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



38.8349, 44.5288, 21.3005



76.7726, 83.2735, 72.1489



27.6833, 22.2238, 17.5830



16.8750, 18.3599, 15.5051



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



38.8349, 44.5288, 21.3005



69.0460, 80.1826, 31.4715



31.3982, 40.6951, 20.9525



9.7502, 10.5034, 9.6204



25.4343, 30.6482, 4.5752



0.8966, 1.0804, 0.1613

Inverse Universe

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



20.4515, 17.8454, 46.6253



31.2889, 25.3783, 83.4851



25.8748, 20.6412, 46.8791



8.5212, 8.7195, 11.3134



5.9628, 2.3852, 31.3992



0.2102, 0.0841, 1.1069

Previews

White Background



This preview shows how the XYZ color 38.8338, 44.5268, 21.2996 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 38.8338, 44.5268, 21.2996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

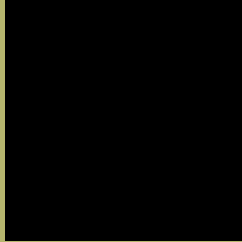
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8338, 44.5268, 21.2996

Background



This preview shows how black text looks on a background with the XYZ color 38.8338, 44.5268, 21.2996.



This preview shows how white text looks on a background with the XYZ color 38.8338, 44.5268,

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

38.8338, 44.5268, 21.2996

Protanopia

40.8753, 44.3928, 20.6017

Deuteranopia

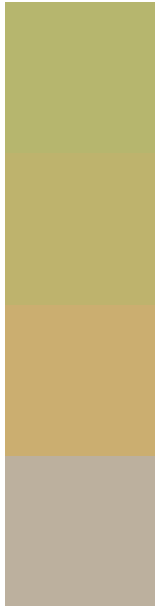
45.3797, 44.3888, 21.7989



Tritanopia

45.2924, 44.5087, 52.6582

Trichromacy



Original Color

38.8338, 44.5268, 21.2996

Protanomaly

40.1156, 44.2915, 20.9028

Deuteranomaly

42.6893, 44.1385, 21.5988

Tritanomaly

42.4359, 44.2107, 38.6446

Monochromacy



Original Color

38.8338, 44.5268, 21.2996

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.4395, 43.0258, 35.5043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8338, 44.5268, 21.2996 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(182, 182, 110)` looks like.

```
.text, #text, p{  
    color:rgb(182, 182, 110)  
}
```

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(182, 182, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 182, 110) }
```

Border

The CSS property to change the border of an element to XYZ 38.8338, 44.5268, 21.2996 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(182, 182, 110) }
```


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

```
.border{ border-color:rgb(182, 182, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 182, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 182, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 182, 110);  
box-shadow:4px 4px 4px 4px rgb(182, 182,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8338, 44.5268, 21.2996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 182, 110) }
```

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

```
.background{ background-color: rgb(182,  
182, 110) }
```

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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