

Converting Colors

XYZ(38.3162, 44.5798, 22.6751)

Have a look what the booklet for
XYZ(38.3162, 44.5798, 22.6751)
contains.

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Color

**XYZ(38.3881, 44.5698,
22.7992)**

Conversions

Conversions Part 1

Format	Color
Hex	B2B773
RGB	178, 183, 115
RGB Percent	70%, 72%, 45%
CMY	0.3020, 0.2823, 0.5490
CMYK	0.03, 0.00, 0.37, 0.28
HSL	64°, 32%, 58%
HSV	64°, 37%, 72%
XYZ	38.3881, 44.5698, 22.7992
YIQ	173.7530, 18.8480, -22.2080

Conversions

Conversions Part 2

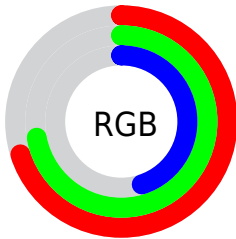
Format	Color
RYB	115, 183, 120
Decimal	11712371
CIELab	72.61, -12.34, 34.01
CIELCh	73, 36.177, 109.940
Yxy	44.5698, 0.3630, 0.4214
Android (android.graphics.Color)	4289902451 (0xFFB2B773)
YUV	173.7530, -28.9652, 3.7246
Hunter-Lab	66.7606, -14.1916, 26.4845

Details

The XYZ color **38.3881, 44.5698, 22.7992** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **22.4254, 19.6746, 47.4180**, and the grayscale version is **40.2434, 42.3392, 46.1074**.

A 20% lighter version of the original color is **72.1953, 82.2223, 49.1112**, and **17.2489, 20.6320, 8.0743** is the 20% darker color. If you saturate the color by 10%, you get **37.1308, 44.0329, 17.7786**, and if you desaturate by 10%, it is **39.8597, 45.1959, 28.9229**.

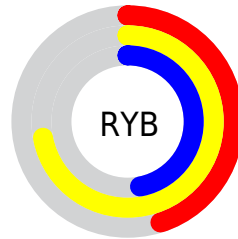
Distribution



Red (70%)

Green (72%)

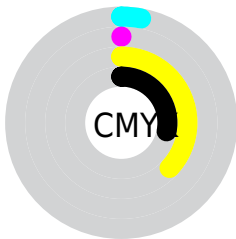
Blue (45%)



Red (45%)

Yellow (72%)

Blue (47%)

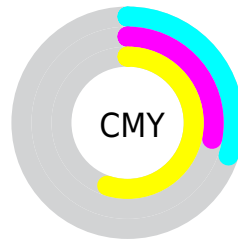


Cyan (3%)

Magenta (0%)

Yellow (37%)

Black (28%)



Cyan (30%)

Magenta (28%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3881, 44.5698, 22.7992 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 38.3881, 44.5698, 22.7992 by changing the saturation by 10% instead.

■ 38.3881, 44.5698,
22.7992

■ 38.3881, 44.5698,
22.7992

330.5340,
365.0284, 279.7804

■ 26.4626, 31.1187,
14.2414

■ 72.0027, 82.0745,
48.9824

■ 17.3045, 20.6893,
8.1481

■ 94.4225, 106.8968,
67.4449

■ 10.5485, 12.8971,
4.1007

■ 121.0711,
136.2784, 90.0460

■ 5.8292, 7.3577,
1.6808

152.3139,
170.6036, 117.2044

■ 2.7811, 3.6868,
0.3475

188.5163,
210.2568, 149.3384

■ 1.0391, 1.4999,
0.0000

230.0435,

■ 0.0000, 0.2887,

255.6224, 186.8668

0.0000

277.2610,
307.0848, 230.2079

■ 0.0000, 0.0000,
0.0000

■ 38.3881, 44.5698,
22.7992

■ 38.3881, 44.5698,
22.7992

■ 37.1308, 44.0329,
17.7786

■ 39.8597, 45.1959,
28.9229

■ 36.0721, 43.5742,
13.7928

■ 41.5538, 45.9098,
36.2069

■ 35.1993, 43.1903,
10.7703

■ 43.4821, 46.7176,
44.7080

■ 34.4968, 42.8748,
8.6293

■ 45.6543, 47.6235,
54.4783

■ 33.9467, 42.6206,
7.2745

■ 48.0800, 48.6311,
65.5669

■ 33.5230, 42.4174,
6.5698

■ 50.7680, 49.7439,
78.0205

■ 33.4119, 42.3634,
6.4160

■ 53.7265, 50.9653,
91.8831

■ 55.9150, 51.8791,
101.6744

■ 56.2502, 52.0519,
101.6900

Harmonies

Analogous

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



44.5000, 44.5698, 21.8830



38.3881, 44.5698, 22.7992



33.8006, 44.5698, 29.5505

Triad

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



38.3881, 44.5698, 22.7992



35.0775, 44.5698, 79.9869



55.3549, 44.5698, 54.8037

Complementary

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



38.3881, 44.5698, 22.7992



22.4254, 19.6746, 47.4180

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.



52.2598, 44.5698, 74.2706



38.3881, 44.5698, 22.7992



40.2941, 44.5698, 91.0046

Square

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



38.3881, 44.5698, 22.7992



32.0237, 44.5698, 61.2614



46.6016, 44.5698, 88.6877



54.7161, 44.5698, 37.6955

Rectangle

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



38.3881, 44.5698, 22.7992



32.0309, 44.5698, 37.6381



46.6016, 44.5698, 88.6877



54.7058, 44.5698, 61.3408

Sweetspot

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



38.3892, 44.5718, 22.8001



76.4304, 83.0630, 73.6742



29.2850, 24.6272, 19.4303



16.7779, 18.3028, 15.8171



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.



38.3892, 44.5718, 22.8001



66.7936, 78.9853, 32.9969



31.6130, 41.0785, 22.4830



9.6832, 10.4688, 9.6172



23.3325, 29.5646, 4.4768



0.8421, 1.0523, 0.1587

Inverse Universe

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



22.4254, 19.6746, 47.4180



33.8770, 27.6315, 83.7836



27.9172, 22.5057, 47.6750



8.5807, 8.7502, 11.3161



6.1067, 2.4593, 31.4059



0.2360, 0.0974, 1.1081

Previews

White Background



This preview shows how the XYZ color 38.3881, 44.5698, 22.7992 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 38.3881, 44.5698, 22.7992 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 38.3881, 44.5698, 22.7992

Background



This preview shows how black text looks on a background with the XYZ color 38.3881, 44.5698, 22.7992.



This preview shows how white text looks on a background with the XYZ color 38.3881, 44.5698,

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

38.3881, 44.5698, 22.7992

Protanopia

41.1492, 44.5024, 22.0438

Deuteranopia

45.3763, 44.3536, 23.3091



Tritanopia

44.7067, 44.4677, 53.8038

Trichromacy



Original Color

38.3881, 44.5698, 22.7992

Protanomaly

40.0976, 44.5488, 22.4050

Deuteranomaly

42.6283, 44.3618, 23.1456

Tritanomaly

41.9223, 44.2078, 40.0416

Monochromacy



Original Color

38.3881, 44.5698, 22.7992

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.1511, 42.8581, 36.3460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3881, 44.5698, 22.7992 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(178, 183, 115)` looks like.

```
.text, #text, p{  
    color:rgb(178, 183, 115)  
}
```

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(178, 183, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 183, 115) }
```

Border

The CSS property to change the border of an element to XYZ 38.3881, 44.5698, 22.7992 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(178, 183, 115) }
```


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

```
.border{ border-color:rgb(178, 183, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 183, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 183, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 183, 115);  
box-shadow:4px 4px 4px 4px rgb(178, 183,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3881, 44.5698, 22.7992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 183, 115) }
```

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

```
.background{ background-color: rgb(178,  
183, 115) }
```

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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