

Converting Colors

XYZ(38.1540, 49.3142, 22.7169)

Have a look what the booklet for
XYZ(38.1540, 49.3142, 22.7169)
contains.

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Color

**XYZ(38.2230, 49.3445,
22.8391)**

Conversions

Conversions Part 1

Format	Color
Hex	A3C670
RGB	163, 198, 112
RGB Percent	64%, 78%, 44%
CMY	0.3608, 0.2235, 0.5608
CMYK	0.18, 0.00, 0.43, 0.22
HSL	84°, 43%, 61%
HSV	84°, 43%, 78%
XYZ	38.2230, 49.3445, 22.8391
YIQ	177.7310, 6.7460, -34.1660

Conversions

Conversions Part 2

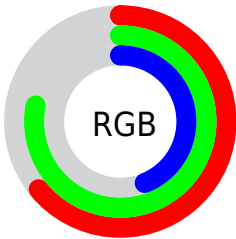
Format	Color
RYB	112, 198, 147
Decimal	10733168
CIELab	75.67, -26.05, 39.21
CIELCh	76, 47.073, 123.595
Yxy	49.3445, 0.3462, 0.4469
Android (android.graphics.Color)	4288923248 (0xFFA3C670)
YUV	177.7310, -32.4054, -12.9191
Hunter-Lab	70.2456, -25.8021, 29.8949

Details

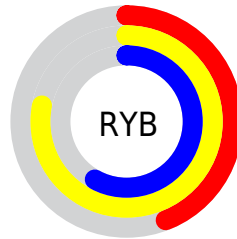
The XYZ color **38.2230, 49.3445, 22.8391** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.0217, 21.8699, 56.1732**, and the grayscale version is **42.3391, 44.5441, 48.5085**.

A 20% lighter version of the original color is **71.7649, 89.2967, 49.0509**, and **17.2732, 23.6093, 8.2041** is the 20% darker color. If you saturate the color by 10%, you get **35.6420, 48.1292, 17.5829**, and if you desaturate by 10%, it is **41.1540, 50.7153, 29.3791**.

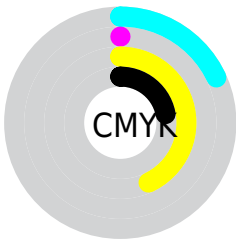
Distribution



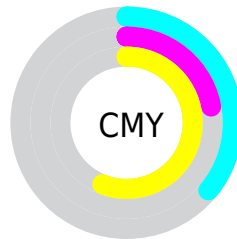
- Red (64%)
- Green (78%)
- Blue (44%)



- Red (44%)
- Yellow (78%)
- Blue (58%)



- Cyan (18%)
- Magenta (0%)
- Yellow (43%)
- Black (22%)



- Cyan (36%)
- Magenta (22%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2230, 49.3445, 22.8391 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 38.2230, 49.3445, 22.8391 by changing the saturation by 10% instead.

■ 38.2230, 49.3445,
22.8391

■ 38.2230, 49.3445,
22.8391

329.8400,
384.0970, 279.9926

■ 26.3338, 34.8928,
14.2706

■ 71.7515, 89.2029,
49.0488

■ 17.2075, 23.5803,
8.1682

■ 94.1215, 115.3784,
67.5271

■ 10.4788, 15.0226,
4.1134

■ 120.7159,
146.2307, 90.1457

■ 5.7822, 8.8353,
1.6878

■ 151.8999,
182.1441, 117.3232

■ 2.7525, 4.6339,
0.3523

188.0390,
223.5030, 149.4781

■ 1.0243, 2.0341,
0.0000

229.4984,

■ 0.0000, 0.6272,

270.6919, 187.0289

0.0000

276.6436,
324.0951, 230.3942

■ 0.0000, 0.0000,
0.0000

■ 38.2230, 49.3445,
22.8391

■ 38.2230, 49.3445,
22.8391

■ 35.6420, 48.1292,
17.5829

■ 41.1540, 50.7153,
29.3791

■ 33.3895, 47.0555,
13.5226

■ 44.4480, 52.2420,
37.2767

■ 31.4466, 46.1173,
10.5644


■ 48.1213, 53.9331,
46.6040


■ 29.7904, 45.3054,
8.5989


■ 52.1884, 55.7944,
57.4269


■ 28.3940, 44.6085,
7.4946


■ 56.6627, 57.8316,
69.8072

 27.5870, 44.2008,
7.0776

 61.5571, 60.0500,
83.8034

 66.8836, 62.4547,
99.4709

 70.0730, 64.0181,
103.2712

 72.6819, 65.3630,
103.3933

Harmonies

Analogous

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



45.8571, 49.3445, 18.6455



38.2230, 49.3445, 22.8391



33.4313, 49.3445, 35.0810

Triad

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



38.2230, 49.3445, 22.8391



39.8337, 49.3445, 109.2196



65.6989, 49.3445, 50.7731

Complementary

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



38.2230, 49.3445, 22.8391



28.0217, 21.8699, 56.1732

Split Complementary

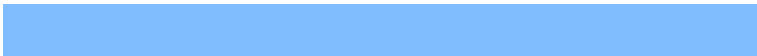
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.5741, 49.3445, 78.0304



38.2230, 49.3445, 22.8391



47.9596, 49.3445, 117.2965

Square

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



38.2230, 49.3445, 22.8391



34.2771, 49.3445, 84.9107



56.8009, 49.3445, 104.4593



62.2952, 49.3445, 31.3009

Rectangle

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



38.2230, 49.3445, 22.8391



32.1363, 49.3445, 48.5484



56.8009, 49.3445, 104.4593



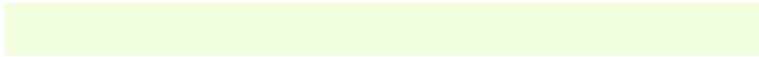
65.6093, 49.3445, 59.2630

Sweetspot

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



38.2242, 49.3467, 22.8402



85.3738, 95.5761, 82.9502



36.5558, 33.8586, 19.9386



17.9480, 20.3078, 16.9113



0.0000, 0.0000, 0.0000



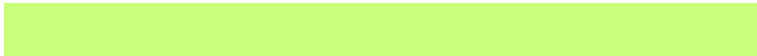
20.3446, 21.4041, 23.3091

Same Dimension

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



38.2242, 49.3467, 22.8402



63.3932, 85.3568, 31.6769



30.9494, 45.5964, 22.4997



11.0903, 12.1935, 11.3318



18.0386, 28.7945, 4.6072



0.9347, 1.4050, 0.2219

Inverse Universe

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



28.0217, 21.8699, 56.1732



43.0470, 30.5108, 98.2281



37.0747, 26.5369, 56.5968



10.4586, 10.4947, 13.3919



8.9043, 3.8246, 35.0133



0.5033, 0.2232, 1.6617

Previews

White Background



This preview shows how the XYZ color 38.2230, 49.3445, 22.8391 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 38.2230, 49.3445, 22.8391 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

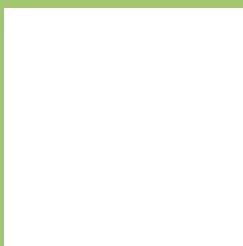
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.2230, 49.3445, 22.8391

Background



This preview shows how black text looks on a background with the XYZ color 38.2230, 49.3445, 22.8391.



This preview shows how white text looks on a background with the XYZ color 38.2230, 49.3445,

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

38.2230, 49.3445, 22.8391

Protanopia

45.1675, 49.0379, 21.2720

Deuteranopia

50.1826, 49.1327, 23.6683



Tritanopia

46.3231, 49.3447, 62.9601

Trichromacy



Original Color

38.2230, 49.3445, 22.8391

Protanomaly

42.1600, 48.7499, 21.6556

Deuteranomaly

44.8006, 48.4923, 23.2184

Tritanomaly

42.8057, 49.2218, 44.7808

Monochromacy



Original Color

38.2230, 49.3445, 22.8391

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.4153, 45.9153, 37.3043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2230, 49.3445, 22.8391 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(163, 198, 112)` looks like.

```
.text, #text, p{  
    color:rgb(163, 198, 112)  
}
```

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(163, 198, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 198, 112) }
```

Border

The CSS property to change the border of an element to XYZ 38.2230, 49.3445, 22.8391 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(163, 198, 112) }
```


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

```
.border{ border-color:rgb(163, 198, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 198, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 198, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 198, 112);  
box-shadow:4px 4px 4px 4px rgb(163, 198,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2230, 49.3445, 22.8391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 198, 112) }
```

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

```
.background{ background-color: rgb(163,  
198, 112) }
```

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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