

Converting Colors

XYZ(30.3771, 44.0505, 22.1529)

Have a look what the booklet for
XYZ(30.3771, 44.0505, 22.1529)
contains.

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Color

**XYZ(30.3848, 43.9644,
22.2138)**

Conversions

Conversions Part 1

Format	Color
Hex	7BC270
RGB	123, 194, 112
RGB Percent	48%, 76%, 44%
CMY	0.5176, 0.2392, 0.5608
CMYK	0.37, 0.00, 0.42, 0.24
HSL	112°, 40%, 60%
HSV	112°, 42%, 76%
XYZ	30.3848, 43.9644, 22.2138
YIQ	163.4230, -15.9940, -40.5540

Conversions

Conversions Part 2

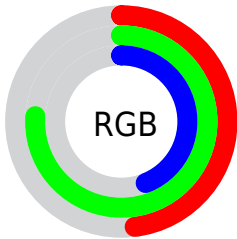
Format	Color
RYB	112, 194, 183
Decimal	8110704
CIELab	72.20, -38.31, 34.34
CIElCh	72, 51.448, 138.129
Yxy	43.9644, 0.3147, 0.4553
Android (android.graphics.Color)	4286300784 (0xFF7BC270)
YUV	163.4230, -25.3515, -35.4510
Hunter-Lab	66.3057, -34.2366, 26.5506

Details

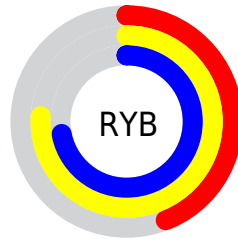
The XYZ color **30.3848, 43.9644, 22.2138** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **35.0623, 25.5521, 54.1254**, and the grayscale version is **35.1354, 36.9652, 40.2551**.

A 20% lighter version of the original color is **59.6488, 81.1760, 48.1220**, and **12.7018, 20.3692, 7.8196** is the 20% darker color. If you saturate the color by 10%, you get **27.2188, 42.4452, 17.0219**, and if you desaturate by 10%, it is **34.1981, 45.7930, 28.6527**.

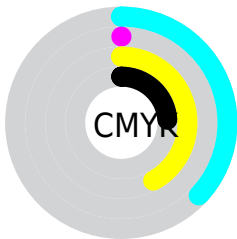
Distribution



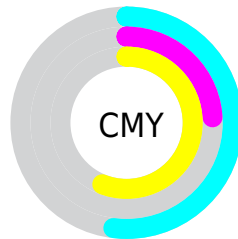
- Red (48%)
- Green (76%)
- Blue (44%)



- Red (44%)
- Yellow (76%)
- Blue (72%)



- Cyan (37%)
- Magenta (0%)
- Yellow (42%)
- Black (24%)



- Cyan (52%)
- Magenta (24%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3848, 43.9644, 22.2138 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 30.3848, 43.9644, 22.2138 by changing the saturation by 10% instead.

■ 30.3848, 43.9644,
22.2138

■ 30.3848, 43.9644,
22.2138

295.5717,
362.5630, 276.6506

■ 20.2804, 30.6425,
13.8143

■ 59.6526, 81.1642,
48.0058

■ 12.7085, 20.3268,
7.8543

■ 79.5468, 105.8109,
66.2354

■ 7.3037, 12.6328,
3.9154

■ 103.4348,
135.0013, 88.5787

■ 3.7008, 7.1762,
1.5791

■ 131.6822,
169.1198, 115.4543

■ 1.5343, 3.5725,
0.2758

164.6542,
208.5508, 147.2808

■ 0.3490, 1.4374,
0.0000

202.7162,

■ 0.0000, 0.2441,

253.6788, 184.4766

0.0000

246.2336,
304.8880, 227.4604

■ 0.0000, 0.0000,
0.0000

■ 30.3848, 43.9644,
22.2138

■ 30.3848, 43.9644,
22.2138

■ 27.2188, 42.4452,
17.0219

■ 34.1981, 45.7930,
28.6527

■ 24.6607, 41.2130,
12.9936

■ 38.6888, 47.9410,
36.4089

■ 22.6717, 40.2509,
10.0399


■ 43.8889, 50.4248,
45.5510


■ 21.2073, 39.5384,
8.0578


■ 49.8275, 53.2580,
56.1422


■ 20.2159, 39.0514,
6.9241

■ 56.5319, 56.4534,
68.2415

 19.7192, 38.8052,
6.4509

 64.0283, 60.0232,
81.9048

 72.3414, 63.9792,
97.1850

 78.5827, 67.0654,
103.4109

Harmonies

Analogous

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



36.7274, 43.9644, 14.9520



30.3848, 43.9644, 22.2138



27.2872, 43.9644, 38.5555

Triad

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



30.3848, 43.9644, 22.2138



38.3936, 43.9644, 112.8912



60.0707, 43.9644, 34.2879

Complementary

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



30.3848, 43.9644, 22.2138



35.0623, 25.5521, 54.1254

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.



60.6834, 43.9644, 58.5749



30.3848, 43.9644, 22.2138



47.2908, 43.9644, 110.4762

Square

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



30.3848, 43.9644, 22.2138



31.4562, 43.9644, 93.9265



55.7347, 43.9644, 88.1696



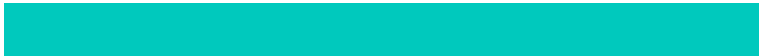
54.1628, 43.9644, 20.0406

Rectangle

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



30.3848, 43.9644, 22.2138



27.1427, 43.9644, 55.0738



55.7347, 43.9644, 88.1696



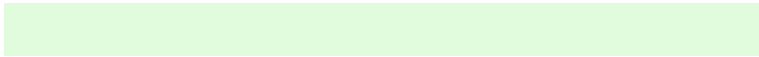
60.9303, 43.9644, 41.3230

Sweetspot

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



30.3859, 43.9663, 22.2148



78.5721, 90.9042, 80.8596



41.8413, 45.9745, 21.9986



16.7232, 19.6764, 16.8540



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.



30.3859, 43.9663, 22.2148



49.5502, 77.0114, 31.2227



30.7607, 43.9445, 31.9445



10.0673, 11.3221, 10.7167



13.0048, 25.5330, 4.2430



0.6037, 1.1247, 0.1853

Inverse Universe

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



35.0623, 25.5521, 54.1254



59.1334, 39.0904, 96.8983



34.8628, 25.7864, 38.8821



10.3602, 10.1768, 12.7031



17.0670, 8.0588, 34.2126



0.7750, 0.3676, 1.4800

Previews

White Background



This preview shows how the XYZ color 30.3848, 43.9644, 22.2138 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 30.3848, 43.9644, 22.2138 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 30.3848, 43.9644, 22.2138

Background



This preview shows how black text looks on a background with the XYZ color 30.3848, 43.9644, 22.2138.



This preview shows how white text looks on a background with the XYZ color 30.3848, 43.9644,

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

30.3848, 43.9644, 22.2138

Protanopia

40.0675, 43.4080, 19.6314

Deuteranopia

44.1366, 43.1622, 23.1444



Tritanopia

38.0968, 43.8935, 60.4972

Trichromacy



Original Color

30.3848, 43.9644, 22.2138



Protanomaly

35.7887, 43.2745, 20.6539



Deuteranomaly

37.4649, 42.2889, 22.7110



Tritanomaly

34.6311, 43.7430, 43.1772

Monochromacy



Original Color

30.3848, 43.9644, 22.2138



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.3828, 38.5816, 32.1258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3848, 43.9644, 22.2138 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(123, 194, 112)` looks like.

```
.text, #text, p{  
    color:rgb(123, 194, 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(123, 194, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 194, 112) }
```

Border

The CSS property to change the border of an element to XYZ 30.3848, 43.9644, 22.2138 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(123, 194, 112) }
```


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

```
.border{ border-color:rgb(123, 194, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 194, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 194, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 194, 112);  
box-shadow:4px 4px 4px 4px rgb(123, 194,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3848, 43.9644, 22.2138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 194, 112) }
```

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

```
.background{ background-color: rgb(123,  
194, 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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