

Converting Colors

XYZ(24.9502, 38.6472, 21.0190)

Have a look what the booklet for
XYZ(24.9502, 38.6472, 21.0190)
contains.

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Color

**XYZ(24.8876, 38.5708,
20.8850)**

Conversions

Conversions Part 1

Format	Color
Hex	5DBA6E
RGB	93, 186, 110
RGB Percent	36%, 73%, 43%
CMY	0.6353, 0.2706, 0.5686
CMYK	0.50, 0.00, 0.41, 0.27
HSL	131°, 40%, 55%
HSV	131°, 50%, 73%
XYZ	24.8876, 38.5708, 20.8850
YIQ	149.5290, -31.0320, -43.3520

Conversions

Conversions Part 2

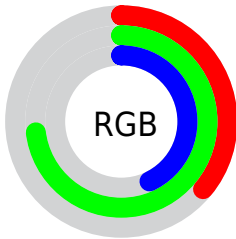
Format	Color
RYB	93, 172, 186
Decimal	6142574
CIELab	68.44, -44.08, 30.24
CIElCh	68, 53.460, 145.549
Yxy	38.5708, 0.2951, 0.4573
Android (android.graphics.Color)	4284332654 (0xFF5DBA6E)
YUV	149.5290, -19.4878, -49.5759
Hunter-Lab	62.1054, -37.1538, 23.5355

Details

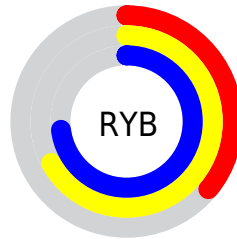
The XYZ color **24.8876, 38.5708, 20.8850** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **31.3267, 21.1332, 39.9655**, and the grayscale version is **28.8800, 30.3840, 33.0882**.

A 20% lighter version of the original color is **50.9666, 73.0994, 45.6058**, and **9.7208, 17.1628, 7.2153** is the 20% darker color. If you saturate the color by 10%, you get **22.4712, 37.4138, 16.8165**, and if you desaturate by 10%, it is **27.9058, 40.0239, 25.7244**.

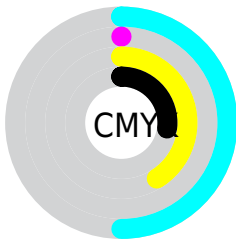
Distribution



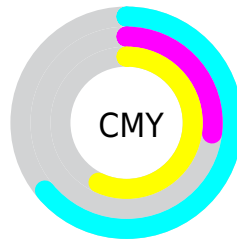
- Red (36%)
- Green (73%)
- Blue (43%)



- Red (36%)
- Yellow (67%)
- Blue (73%)



- Cyan (50%)
- Magenta (0%)
- Yellow (41%)
- Black (27%)





- Cyan (64%)
- Magenta (27%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8876, 38.5708, 20.8850 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 24.8876, 38.5708, 20.8850 by changing the saturation by 10% instead.


 24.8876, 38.5708,
20.8850


 24.8876, 38.5708,
20.8850


269.6357,
340.0623, 269.4276


 16.1216, 26.4260,
12.8495


 50.9190, 72.9822,
45.7744


 9.7016, 17.1426,
7.1955


 68.9152, 96.0176,
63.4654

 5.2623, 10.3362,
3.5044


 90.7188, 123.4519,
85.2119

 2.4383, 5.6224,
1.3576

 116.6952,
155.6697, 111.4327

 0.8643, 2.6169,
0.1083

147.2097,
193.0552, 142.5460

 0.0000, 0.9352,
0.0000

182.6277,

 0.0000, 0.0000,

235.9928, 178.9706

0.0000

223.3146,
284.8671, 221.1250

■ 24.8876, 38.5708,
20.8850

■ 24.8876, 38.5708,
20.8850

■ 22.4712, 37.4138,
16.8165

■ 27.9058, 40.0239,
25.7244

■ 20.6127, 36.5277,
13.4766

■ 31.5600, 41.7865,
31.3690

■ 19.2667, 35.8911,
10.8228

■ 35.8852, 43.8772,
37.8542

■ 18.3791, 35.4773,
8.8071

■ 40.9131, 46.3115,
45.2123

■ 17.8484, 35.2349,
7.3738

■ 46.6734, 49.1041,
53.4742

■ 53.1938, 52.2688,
62.6691

■ 60.5008, 55.8185,
72.8250

■ 68.6197, 59.7657,
83.9685

■ 75.5579, 63.0827,
96.0311

Harmonies

Analogous

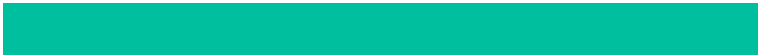
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.1253, 38.5708, 12.5576



24.8876, 38.5708, 20.8850



22.7980, 38.5708, 38.5078

Triad

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



24.8876, 38.5708, 20.8850



35.4209, 38.5708, 107.0702



53.2521, 38.5708, 25.0370

Complementary

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



24.8876, 38.5708, 20.8850



31.3267, 21.1332, 39.9655

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.



55.2398, 38.5708, 45.6910



24.8876, 38.5708, 20.8850



44.0782, 38.5708, 99.0947

Square

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



24.8876, 38.5708, 20.8850



28.2601, 38.5708, 92.8660



51.6601, 38.5708, 73.9828



46.5794, 38.5708, 14.2325

Rectangle

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



24.8876, 38.5708, 20.8850



23.1956, 38.5708, 55.6597



51.6601, 38.5708, 73.9828



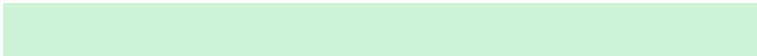
54.5299, 38.5708, 30.7759

Sweetspot

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



24.8886, 38.5724, 20.8859



69.2097, 81.5440, 74.7469



36.2221, 44.5119, 17.0388



14.8239, 17.7554, 15.8481



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



24.8886, 38.5724, 20.8859



40.3504, 67.6309, 29.8209



27.9906, 39.8132, 37.2211



8.9556, 10.0862, 9.9237



12.0279, 23.7121, 5.0690



0.4445, 0.8441, 0.2867

Inverse Universe

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



31.3267, 21.1332, 39.9655



53.3226, 32.3938, 68.1913



27.8033, 19.7238, 21.4111



9.3086, 9.1338, 10.9725



17.4617, 8.5584, 20.8498



0.6341, 0.3091, 0.8328

Previews

White Background



This preview shows how the XYZ color 24.8876, 38.5708, 20.8850 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 24.8876, 38.5708, 20.8850 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 24.8876, 38.5708, 20.8850

Background



This preview shows how black text looks on a background with the XYZ color 24.8876, 38.5708, 20.8850.



This preview shows how white text looks on a background with the XYZ color 24.8876, 38.5708,

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

24.8876, 38.5708, 20.8850

Protanopia

35.0905, 38.0555, 18.0663

Deuteranopia

38.5765, 37.9275, 21.8105



Tritanopia

31.6114, 38.2570, 55.0085

Trichromacy



Original Color

24.8876, 38.5708, 20.8850



Protanomaly

29.8878, 37.2966, 18.9883



Deuteranomaly

31.5233, 36.9618, 21.3925



Tritanomaly

28.6685, 38.2544, 40.0553

Monochromacy



Original Color

24.8876, 38.5708, 20.8850



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

26.5236, 32.6108, 27.8182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8876, 38.5708, 20.8850 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(93, 186, 110)` looks like.

```
.text, #text, p{  
    color:rgb(93, 186, 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(93, 186, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 186, 110) }
```

Border

The CSS property to change the border of an element to XYZ 24.8876, 38.5708, 20.8850 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(93, 186, 110) }
```


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

```
.border{ border-color:rgb(93, 186, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 186, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 186, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 186, 110);  
box-shadow:4px 4px 4px 4px rgb(93, 186,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8876, 38.5708, 20.8850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 186, 110) }
```

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

```
.background{ background-color: rgb(93, 186,  
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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