

Converting Colors

XYZ(30.6856, 47.8178, 42.4058)

Have a look what the booklet for
XYZ(30.6856, 47.8178, 42.4058)
contains.

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Color

**XYZ(30.6688, 47.8111,
42.2624)**

Conversions

Conversions Part 1

Format	Color
Hex	3ECEA3
RGB	62, 206, 163
RGB Percent	24%, 81%, 64%
CMY	0.7568, 0.1921, 0.3608
CMYK	0.70, 0.00, 0.21, 0.19
HSL	162°, 60%, 53%
HSV	162°, 70%, 81%
XYZ	30.6688, 47.8111, 42.2624
YIQ	158.0420, -72.0210, -43.9010

Conversions

Conversions Part 2

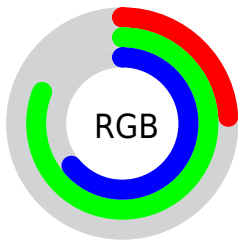
Format	Color
RYB	62, 147, 206
Decimal	4116131
CIELab	74.71, -48.03, 10.50
CIELCh	75, 49.163, 167.670
Yxy	47.8111, 0.2540, 0.3960
Android (android.graphics.Color)	4282306211 (0xFF3ECEA3)
YUV	158.0420, 2.4443, -84.2288
Hunter-Lab	69.1456, -41.8329, 12.1633

Details

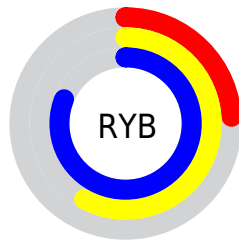
The XYZ color **30.6688, 47.8111, 42.2624** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **29.7277, 17.5882, 15.1946**, and the grayscale version is **32.5325, 34.2267, 37.2729**.

A 20% lighter version of the original color is **57.1673, 81.0940, 78.9693**, and **13.9359, 23.2809, 18.7981** is the 20% darker color. If you saturate the color by 10%, you get **29.0758, 47.0532, 39.3809**, and if you desaturate by 10%, it is **32.7806, 48.8357, 45.3103**.

Distribution



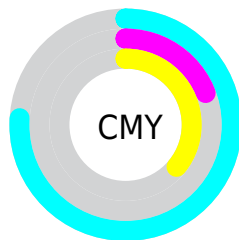
- Red (24%)
- Green (81%)
- Blue (64%)



- Red (24%)
- Yellow (58%)
- Blue (81%)



- Cyan (70%)
- Magenta (0%)
- Yellow (21%)
- Black (19%)





- Cyan (76%)
- Magenta (19%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6688, 47.8111, 42.2624 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 30.6688, 47.8111, 42.2624 by changing the saturation by 10% instead.


 30.6688, 47.8111,
42.2624


 30.6688, 47.8111,
42.2624


296.8638,
378.0429, 371.4012

 20.4974, 33.6773,
28.9797


 60.0976, 86.9231,
79.8710


 12.8675, 22.6458,
18.8200


 80.0858, 112.6701,
105.0339


 7.4137, 14.3322,
11.3648


 104.0768,
143.0569, 134.9941

 3.7708, 8.3521,
6.1955

 132.4362,
178.4680, 170.1699

 1.5733, 4.3211,
2.8936

 165.5292,
219.2878, 210.9800

 0.3749, 1.8547,
1.0406

203.7213,

 0.0000, 0.5209,

265.9006, 257.8429

0.0000

247.3777,
318.6908, 311.1771

■ 0.0000, 0.0000,
0.0000

■ 30.6688, 47.8111,
42.2624

■ 30.6688, 47.8111,
42.2624

■ 29.0758, 47.0532,
39.3809

■ 32.7806, 48.8357,
45.3103

■ 27.9387, 46.5261,
36.6577

■ 35.4573, 50.1472,
48.5255

■ 27.1506, 46.1759,
34.0869

■ 38.7439, 51.7700,
51.9130

■ 27.1433, 46.1727,
34.0620

■ 42.6800, 53.7243,
55.4767

■ 47.3015, 56.0287,
59.2198

■ 52.6418, 58.7004,
63.1459

■ 58.7320, 61.7552,
67.2581

■ 65.6013, 65.2084,
71.5595

■ 73.2774, 69.0741,
76.0531

Harmonies

Analogous

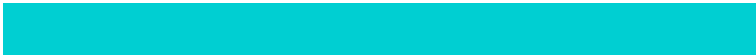
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.9114, 47.8111, 25.5023



30.6688, 47.8111, 42.2624



30.9880, 47.8111, 68.4276

Triad

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



30.6688, 47.8111, 42.2624



50.8476, 47.8111, 114.2479



57.9919, 47.8111, 23.5445

Complementary

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



30.6688, 47.8111, 42.2624



29.7277, 17.5882, 15.1946

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.



63.8121, 47.8111, 38.5326



30.6688, 47.8111, 42.2624



59.3309, 47.8111, 92.6114

Square

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



30.6688, 47.8111, 42.2624



41.8798, 47.8111, 116.2590



64.3319, 47.8111, 63.2614



49.2028, 47.8111, 17.3172

Rectangle

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



30.6688, 47.8111, 42.2624



33.1796, 47.8111, 88.1941



64.3319, 47.8111, 63.2614



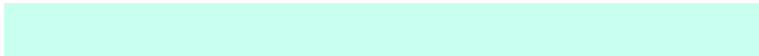
60.4075, 47.8111, 27.4500

Sweetspot

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



30.6701, 47.8130, 42.2635



75.5498, 90.2325, 95.1027



28.7916, 47.5078, 12.2107



15.7075, 19.0823, 19.9891



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.



30.6701, 47.8130, 42.2635



46.0742, 75.7504, 61.5028



28.8904, 37.0056, 64.0148



11.3950, 12.6677, 13.6374



16.7579, 28.4485, 21.2080



0.8970, 1.4806, 1.2650

Inverse Universe

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



29.7277, 17.5882, 15.1946



44.5638, 23.8472, 15.5558



30.0487, 20.9191, 7.0123



11.3479, 11.2679, 12.3666



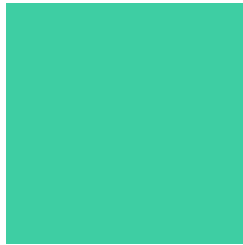
16.2385, 8.3060, 3.7084



0.8715, 0.4420, 0.3690

Previews

White Background



This preview shows how the XYZ color 30.6688, 47.8111, 42.2624 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 30.6688, 47.8111, 42.2624 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

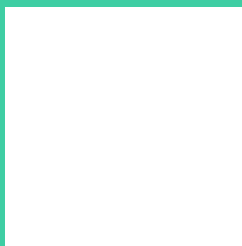
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.6688, 47.8111, 42.2624

Background



This preview shows how black text looks on a background with the XYZ color 30.6688, 47.8111, 42.2624.



This preview shows how white text looks on a background with the XYZ color 30.6688, 47.8111,

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

30.6688, 47.8111, 42.2624

Protanopia

44.3062, 47.0277, 36.0202

Deuteranopia

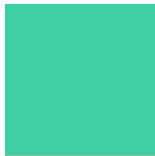
47.9579, 46.9321, 44.5614



Tritanopia

36.5269, 47.7316, 71.5779

Trichromacy



Original Color

30.6688, 47.8111, 42.2624



Protanomaly

36.2243, 45.6479, 37.9121



Deuteranomaly

37.8822, 45.1030, 43.2684



Tritanomaly

34.1449, 47.8044, 59.6521

Monochromacy



Original Color

30.6688, 47.8111, 42.2624



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

29.8435, 37.4090, 38.9054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6688, 47.8111, 42.2624 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(62, 206, 163)` looks like.

```
.text, #text, p{  
    color:rgb(62, 206, 163)  
}
```

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(62, 206, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 206, 163) }
```

Border

The CSS property to change the border of an element to XYZ 30.6688, 47.8111, 42.2624 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(62, 206, 163) }
```


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

```
.border{ border-color:rgb(62, 206, 163) }
```

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

Here you see how a box with a 4 pixel rgb(62, 206, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 206, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 206, 163);  
box-shadow:4px 4px 4px 4px rgb(62, 206,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6688, 47.8111, 42.2624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 206, 163) }
```

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

```
.background{ background-color: rgb(62, 206,  
163) }
```

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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