

Converting Colors

XYZ(30.8664, 46.6090, 42.1504)

Have a look what the booklet for
XYZ(30.8664, 46.6090, 42.1504)
contains.

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Color

**XYZ(30.7920, 46.4632,
41.9957)**

Conversions

Conversions Part 1

Format	Color
Hex	4DCAA3
RGB	77, 202, 163
RGB Percent	30%, 79%, 64%
CMY	0.6980, 0.2078, 0.3608
CMYK	0.62, 0.00, 0.19, 0.21
HSL	161°, 54%, 55%
HSV	161°, 62%, 79%
XYZ	30.7920, 46.4632, 41.9957
YIQ	160.1790, -61.9810, -38.6290

Conversions

Conversions Part 2

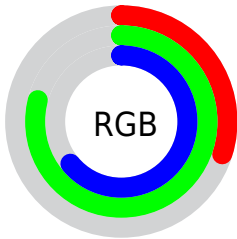
Format	Color
RYB	77, 151, 202
Decimal	5098147
CIELab	73.85, -43.86, 9.32
CIELCh	74, 44.841, 168.001
Yxy	46.4632, 0.2582, 0.3896
Android (android.graphics.Color)	4283288227 (0xFF4DCAA3)
YUV	160.1790, 1.3908, -72.9480
Hunter-Lab	68.1639, -38.6522, 11.1863

Details

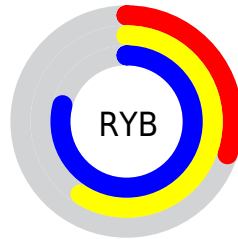
The XYZ color **30.7920, 46.4632, 41.9957** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **30.1650, 19.1265, 18.6269**, and the grayscale version is **33.5117, 35.2569, 38.3948**.

A 20% lighter version of the original color is **58.8961, 81.9852, 79.0502**, and **13.3030, 22.0151, 18.5871** is the 20% darker color. If you saturate the color by 10%, you get **28.8576, 45.5308, 39.0310**, and if you desaturate by 10%, it is **33.2630, 47.6713, 45.1345**.

Distribution



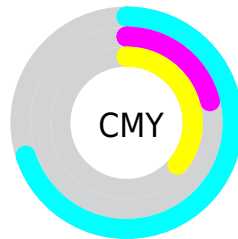
- Red (30%)
- Green (79%)
- Blue (64%)



- Red (30%)
- Yellow (59%)
- Blue (79%)



- Cyan (62%)
- Magenta (0%)
- Yellow (19%)
- Black (21%)





- Cyan (70%)
- Magenta (21%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7920, 46.4632, 41.9957 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 30.7920, 46.4632, 41.9957 by changing the saturation by 10% instead.


 30.7920, 46.4632,
41.9957


 30.7920, 46.4632,
41.9957


297.4229,
372.6677, 370.2642

 20.5916, 32.6115,
28.7724


 60.2905, 84.9118,
79.4631


 12.9365, 21.8290,
18.6646


 80.3193, 110.2775,
104.5443

 7.4616, 13.7313,
11.2538


 104.3549,
140.2499, 134.4152

 3.8013, 7.9340,
6.1215

 132.7627,
175.2136, 169.4944

 1.5903, 4.0528,
2.8491

165.9081,
215.5528, 210.2003

 0.3861, 1.7031,
1.0181

204.1563,

 0.0000, 0.4257,

261.6519, 256.9516

0.0000

247.8728,
313.8955, 310.1667

■ 0.0000, 0.0000,
0.0000

■ 30.7920, 46.4632,
41.9957

■ 30.7920, 46.4632,
41.9957

■ 28.8576, 45.5308,
39.0310

■ 33.2630, 47.6713,
45.1345

■ 27.4071, 44.8435,
36.2328

■ 36.3097, 49.1718,
48.4483

■ 26.3831, 44.3729,
33.5972

■ 39.9717, 50.9860,
51.9419

■ 25.7797, 44.1060,
31.5711

■ 44.2838, 53.1321,
55.6190

■ 49.2786, 55.6267,
59.4830

■ 54.9859, 58.4851,
63.5373

■ 61.4340, 61.7219,
67.7851

■ 68.6497, 65.3508,
72.2294

■ 75.2435, 68.6555,
76.8070

Harmonies

Analogous

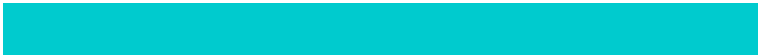
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.7144, 46.4632, 26.5201



30.7920, 46.4632, 41.9957



31.1201, 46.4632, 65.4184

Triad

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



30.7920, 46.4632, 41.9957



49.0743, 46.4632, 104.9322



55.2421, 46.4632, 24.4609

Complementary

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



30.7920, 46.4632, 41.9957



30.1650, 19.1265, 18.6269

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.



60.4169, 46.4632, 38.1918



30.7920, 46.4632, 41.9957



56.5713, 46.4632, 86.0486

Square

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



30.7920, 46.4632, 41.9957



41.0489, 46.4632, 106.8806



60.9307, 46.4632, 60.2846



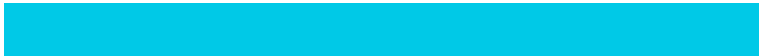
47.4284, 46.4632, 18.6363

Rectangle

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



30.7920, 46.4632, 41.9957



33.1431, 46.4632, 82.7465



60.9307, 46.4632, 60.2846



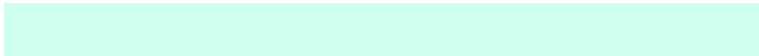
57.3865, 46.4632, 28.0759

Sweetspot

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



30.7933, 46.4650, 41.9968



77.0773, 91.0050, 95.8501



29.7419, 46.5320, 14.4360



16.0009, 19.2310, 20.1174



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.



30.7933, 46.4650, 41.9968



48.0048, 76.6798, 64.5682



29.8596, 38.1175, 61.6629



11.3885, 12.6651, 13.6030



16.6300, 28.3973, 20.5342



0.8911, 1.4783, 1.2342

Inverse Universe

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



30.1650, 19.1265, 18.6269



46.9188, 26.6768, 22.1378



30.2474, 22.1921, 9.7113



11.3541, 11.2704, 12.3993



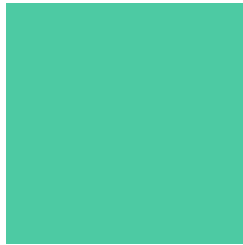
16.2870, 8.3254, 3.9640



0.8745, 0.4432, 0.3852

Previews

White Background



This preview shows how the XYZ color 30.7920, 46.4632, 41.9957 looks on a white background.

Color Contrast Check

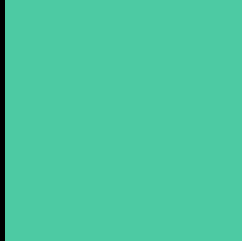
Large Text (above 18pt) WCAG AA × Fail

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 30.7920, 46.4632, 41.9957 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

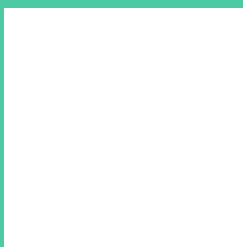
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.7920, 46.4632, 41.9957

Background



This preview shows how black text looks on a background with the XYZ color 30.7920, 46.4632, 41.9957.

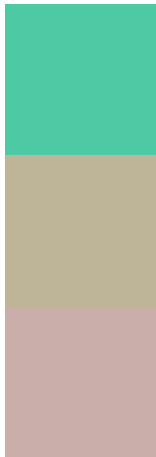


This preview shows how white text looks on a background with the XYZ color 30.7920, 46.4632,

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

30.7920, 46.4632, 41.9957

Protanopia

43.2240, 45.8567, 36.2788

Deuteranopia

46.6546, 45.6932, 43.8968



Tritanopia

35.9923, 46.1663, 68.6420

Trichromacy



Original Color

30.7920, 46.4632, 41.9957



Protanomaly

36.3784, 44.7563, 38.1740



Deuteranomaly

38.0202, 44.2391, 43.0943



Tritanomaly

33.9562, 46.3579, 58.1972

Monochromacy



Original Color

30.7920, 46.4632, 41.9957



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

30.9689, 37.9790, 39.4167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7920, 46.4632, 41.9957 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(77, 202, 163)` looks like.

```
.text, #text, p{  
    color:rgb(77, 202, 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(77, 202, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 202, 163) }
```

Border

The CSS property to change the border of an element to XYZ 30.7920, 46.4632, 41.9957 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(77, 202, 163) }
```


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

```
.border{ border-color:rgb(77, 202, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 202, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 202, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 202, 163);  
box-shadow:4px 4px 4px 4px rgb(77, 202,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7920, 46.4632, 41.9957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 202, 163) }
```

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

```
.background{ background-color: rgb(77, 202,  
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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