

Converting Colors

XYZ(30.4381, 45.7072, 52.2066)

Have a look what the booklet for
XYZ(30.4381, 45.7072, 52.2066)
contains.

XYZ(30.3887, 45.6844, 52.0161)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.3887, 45.6844,
52.0161)**

Conversions

Conversions Part 1

Format	Color
Hex	2AC9B7
RGB	42, 201, 183
RGB Percent	16%, 79%, 72%
CMY	0.8353, 0.2118, 0.2823
CMYK	0.79, 0.00, 0.09, 0.21
HSL	173°, 65%, 48%
HSV	173°, 79%, 79%
XYZ	30.3887, 45.6844, 52.0161
YIQ	151.4070, -88.9860, -39.3060

Conversions

Conversions Part 2

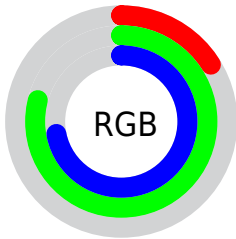
Format	Color
R _Y B	42, 126, 201
Decimal	2804151
CIE Lab	73.34, -43.19, -2.31
CIE LCh	73, 43.253, 183.064
Yxy	45.6844, 0.2372, 0.3567
Android (android.graphics.Color)	4280994231 (0xFF2AC9B7)
YUV	151.4070, 15.5753, -95.9499
Hunter-Lab	67.5902, -38.0290, 1.6848

Details

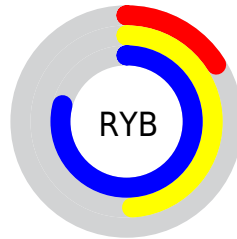
The XYZ color **30.3887, 45.6844, 52.0161** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **25.7325, 14.4009, 5.7000**, and the grayscale version is **29.5542, 31.0934, 33.8607**.

A 20% lighter version of the original color is **58.5424, 81.4650, 94.3002**, and **14.3081, 22.1695, 24.6441** is the 20% darker color. If you saturate the color by 10%, you get **29.5286, 45.2692, 50.7502**, and if you desaturate by 10%, it is **31.6672, 46.3169, 53.3236**.

Distribution



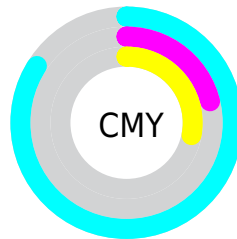
- Red (16%)
- Green (79%)
- Blue (72%)



- Red (16%)
- Yellow (49%)
- Blue (79%)



- Cyan (79%)
- Magenta (0%)
- Yellow (9%)
- Black (21%)





- Cyan (84%)
- Magenta (21%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3887, 45.6844, 52.0161 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 30.3887, 45.6844, 52.0161 by changing the saturation by 10% instead.


 30.3887, 45.6844,
52.0161


 30.3887, 45.6844,
52.0161


295.5895,
369.5384, 411.4575


 20.2833, 31.9968,
36.6356

 59.6588, 83.7465,
94.5818


 12.7106, 21.3591,
24.6319


 79.5542, 108.8898,
122.6041


 7.3052, 13.3867,
15.5865


 103.4437,
138.6205, 155.6773

 3.7017, 7.6954,
9.0809

 131.6926,
173.3229, 194.2201

 1.5348, 3.9007,
4.6964

 164.6662,
213.3816, 238.6510

 0.3493, 1.6181,
2.0147

202.7301,

 0.0000, 0.3698,

259.1807, 289.3885

0.5643

246.2494,
311.1049, 346.8511

■ 0.0000, 0.0000,
0.0000

■ 30.3887, 45.6844,
52.0161

■ 30.3887, 45.6844,
52.0161

■ 29.5286, 45.2692,
50.7502

■ 31.6672, 46.3169,
53.3236

■ 28.9912, 45.0189,
49.5183

■ 33.4144, 47.1896,
54.6722

■ 28.9479, 44.9989,
49.4086

■ 35.6777, 48.3279,
56.0651

■ 38.4978, 49.7528,
57.5043

■ 41.9111, 51.4830,
58.9916

■ 45.9510, 53.5358,
60.5287

■ 50.6483, 55.9271,
62.1171

■ 56.0320, 58.6718,
63.7583

■ 62.1292, 61.7838,
65.4535

Harmonies

Analogous

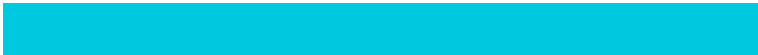
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.6402, 45.6844, 33.0729



30.3887, 45.6844, 52.0161



32.2777, 45.6844, 76.2849

Triad

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



30.3887, 45.6844, 52.0161



51.9033, 45.6844, 93.7720



50.3925, 45.6844, 20.9570

Complementary

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



30.3887, 45.6844, 52.0161



25.7325, 14.4009, 5.7000

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.



56.8740, 45.6844, 30.2048



30.3887, 45.6844, 52.0161



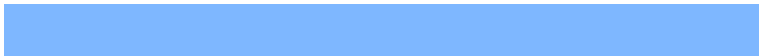
57.8154, 45.6844, 71.2412

Square

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



30.3887, 45.6844, 52.0161



44.2084, 45.6844, 104.4148



59.7320, 45.6844, 47.5362



42.6443, 45.6844, 18.5356

Rectangle

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



30.3887, 45.6844, 52.0161



35.2095, 45.6844, 91.3156



59.7320, 45.6844, 47.5362



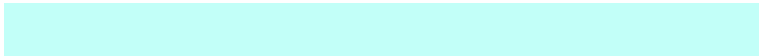
52.8207, 45.6844, 23.2042

Sweetspot

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



30.3900, 45.6861, 52.0172



74.9111, 89.7446, 102.2387



23.2029, 42.9201, 9.2529



15.5166, 18.9462, 21.6812



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.



30.3900, 45.6861, 52.0172



49.8665, 77.1814, 85.3569



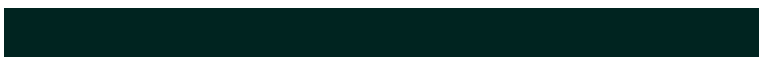
20.8845, 23.4821, 58.6920



10.8930, 12.0461, 13.3867



18.2222, 28.3012, 31.1781



0.8779, 1.3461, 1.5558

Inverse Universe

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



25.7325, 14.4009, 5.7000



41.7668, 21.6959, 4.0098



29.3523, 22.2772, 4.9443



10.6819, 10.6561, 11.3081



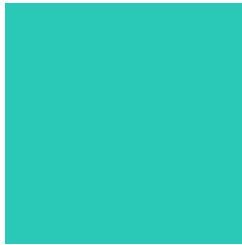
15.2584, 7.8529, 1.3045



0.7393, 0.3786, 0.1502

Previews

White Background



This preview shows how the XYZ color 30.3887, 45.6844, 52.0161 looks on a white background.

Color Contrast Check

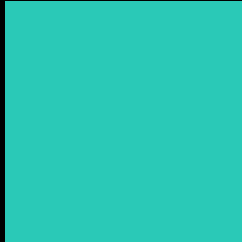
Large Text (above 18pt) WCAG AA × Fail

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 30.3887, 45.6844, 52.0161 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

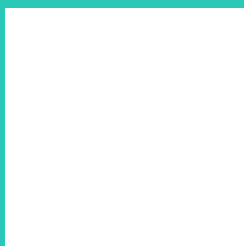
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3887, 45.6844, 52.0161

Background



This preview shows how black text looks on a background with the XYZ color 30.3887, 45.6844, 52.0161.

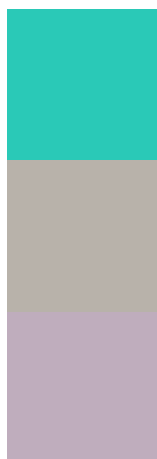


This preview shows how white text looks on a background with the XYZ color 30.3887, 45.6844,

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

30.3887, 45.6844, 52.0161

Protanopia

42.9433, 44.9334, 44.4399

Deuteranopia

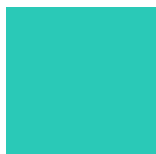
45.6147, 44.6376, 54.3559



Tritanopia

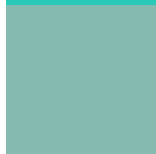
34.0264, 45.7934, 69.9964

Trichromacy



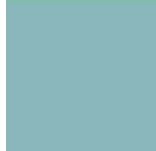
Original Color

30.3887, 45.6844, 52.0161



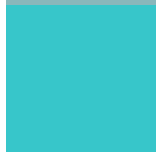
Protanomaly

34.8125, 43.1185, 47.0453



Deuteranomaly

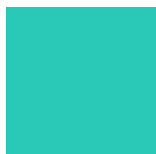
36.2197, 42.7732, 53.3608



Tritanomaly

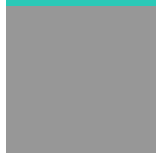
32.4303, 45.4647, 62.9434

Monochromacy



Original Color

30.3887, 45.6844, 52.0161



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

27.3544, 34.3998, 39.8484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3887, 45.6844, 52.0161 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(42, 201, 183)` looks like.

```
.text, #text, p{  
    color:rgb(42, 201, 183)  
}
```

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(42, 201, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 201, 183) }
```

Border

The CSS property to change the border of an element to XYZ 30.3887, 45.6844, 52.0161 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(42, 201, 183) }
```


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

```
.border{ border-color:rgb(42, 201, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 201, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 201, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 201, 183);  
box-shadow:4px 4px 4px 4px rgb(42, 201,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3887, 45.6844, 52.0161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 201, 183) }
```

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

```
.background{ background-color: rgb(42, 201,  
183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor