

Converting Colors

XYZ(30.6786, 45.9767, 52.1783)

Have a look what the booklet for
XYZ(30.6786, 45.9767, 52.1783)
contains.

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Color

**XYZ(30.5606, 45.7730,
52.0241)**

Conversions

Conversions Part 1

Format	Color
Hex	2EC9B7
RGB	46, 201, 183
RGB Percent	18%, 79%, 72%
CMY	0.8196, 0.2118, 0.2823
CMYK	0.77, 0.00, 0.09, 0.21
HSL	173°, 63%, 48%
HSV	173°, 77%, 79%
XYZ	30.5606, 45.7730, 52.0241
YIQ	152.6030, -86.6020, -38.4580

Conversions

Conversions Part 2

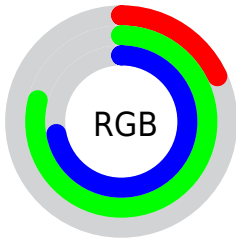
Format	Color
RYB	46, 128, 201
Decimal	3066295
CIELab	73.40, -42.80, -2.22
CIELCh	73, 42.854, 182.970
Yxy	45.7730, 0.2381, 0.3566
Android (android.graphics.Color)	4281256375 (0xFF2EC9B7)
YUV	152.6030, 14.9857, -93.4908
Hunter-Lab	67.6557, -37.7678, 1.7678

Details

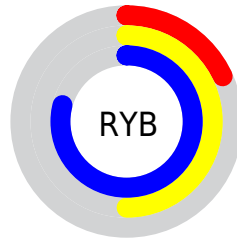
The XYZ color **30.5606, 45.7730, 52.0241** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **25.9914, 14.7430, 6.3280**, and the grayscale version is **30.0716, 31.6377, 34.4535**.

A 20% lighter version of the original color is **58.8112, 81.6035, 94.3127**, and **14.3081, 22.1695, 24.6441** is the 20% darker color. If you saturate the color by 10%, you get **29.6174, 45.3157, 50.7229**, and if you desaturate by 10%, it is **31.9341, 46.4538, 53.3685**.

Distribution



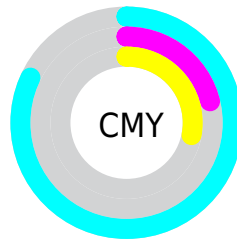
- Red (18%)
- Green (79%)
- Blue (72%)



- Red (18%)
- Yellow (50%)
- Blue (79%)



- Cyan (77%)
- Magenta (0%)
- Yellow (9%)
- Black (21%)





- Cyan (82%)
- Magenta (21%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5606, 45.7730, 52.0241 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 30.5606, 45.7730, 52.0241 by changing the saturation by 10% instead.


 30.5606, 45.7730,
52.0241


 30.5606, 45.7730,
52.0241


296.3720,
369.8953, 411.4892


 20.4147, 32.0667,
36.6419


 59.9282, 83.8792,
94.5937


 12.8068, 21.4125,
24.6367

 79.8805, 109.0479,
122.6182


 7.3717, 13.4258,
15.5901


 103.8324,
138.8061, 155.6939

 3.7440, 7.7224,
9.0834

 132.1492,
173.5384, 194.2394

 1.5584, 3.9179,
4.6980

 165.1961,
213.6291, 238.6731

 0.3650, 1.6277,
2.0156

203.3387,

 0.0000, 0.3762,

259.4625, 289.4136

0.5648

246.9422,
311.4231, 346.8795

■ 0.0000, 0.0000,
0.0000

■ 30.5606, 45.7730,
52.0241

■ 30.5606, 45.7730,
52.0241

■ 29.6174, 45.3157,
50.7229

■ 31.9341, 46.4538,
53.3685

■ 29.0294, 45.0399,
49.4582

■ 33.7862, 47.3798,
54.7555

■ 28.8889, 44.9753,
49.0980

■ 36.1631, 48.5759,
56.1882

■ 39.1045, 50.0625,
57.6687

■ 42.6461, 51.8581,
59.1988

■ 46.8209, 53.9796,
60.7800

■ 51.6593, 56.4427,
62.4138

■ 57.1897, 59.2622,
64.1018

■ 63.4390, 62.4517,
65.8453

Harmonies

Analogous

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



31.8148, 45.7730, 33.2337



30.5606, 45.7730, 52.0241



32.4292, 45.7730, 76.0570

Triad

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



30.5606, 45.7730, 52.0241



51.8927, 45.7730, 93.4818



50.4413, 45.7730, 21.2233

Complementary

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



30.5606, 45.7730, 52.0241



25.9914, 14.7430, 6.3280

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.



56.8549, 45.7730, 30.4668



30.5606, 45.7730, 52.0241



57.7586, 45.7730, 71.2183

Square

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



30.5606, 45.7730, 52.0241



44.2623, 45.7730, 103.9467



59.6709, 45.7730, 47.7160



42.7581, 45.7730, 18.7846

Rectangle

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



30.5606, 45.7730, 52.0241



35.3368, 45.7730, 90.9361



59.6709, 45.7730, 47.7160



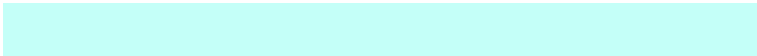
52.8458, 45.7730, 23.4737

Sweetspot

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



30.5619, 45.7747, 52.0252



75.5886, 90.0917, 102.3655



23.5011, 43.0651, 9.6596



15.6451, 19.0122, 21.7003



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.



30.5619, 45.7747, 52.0252



49.9349, 77.2184, 85.2765



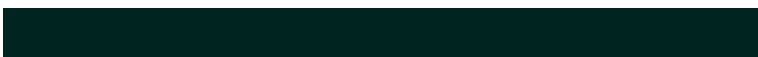
21.2821, 24.0222, 58.7753



10.8916, 12.0455, 13.3794



18.1855, 28.2866, 30.9853



0.8765, 1.3455, 1.5484

Inverse Universe

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



25.9914, 14.7430, 6.3280



41.9352, 21.8803, 4.5356



29.6764, 22.8050, 5.4235



10.6831, 10.6566, 11.3147



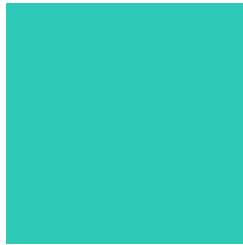
15.2624, 7.8545, 1.3257



0.7398, 0.3788, 0.1532

Previews

White Background



This preview shows how the XYZ color 30.5606, 45.7730, 52.0241 looks on a white background.

Color Contrast Check

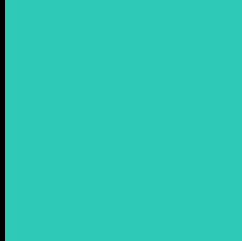
Large Text (above 18pt) WCAG AA × Fail

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 30.5606, 45.7730, 52.0241 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

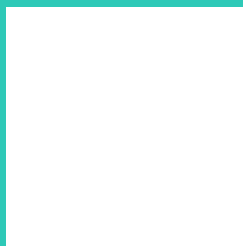
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.5606, 45.7730, 52.0241

Background



This preview shows how black text looks on a background with the XYZ color 30.5606, 45.7730, 52.0241.

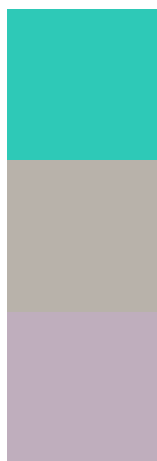


This preview shows how white text looks on a background with the XYZ color 30.5606, 45.7730,

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

30.5606, 45.7730, 52.0241

Protanopia

42.9433, 44.9334, 44.4399

Deuteranopia

45.8072, 45.0226, 54.4200



Tritanopia

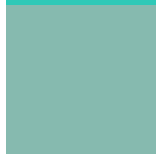
34.2233, 45.8949, 70.0056

Trichromacy



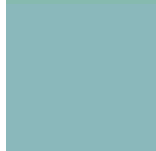
Original Color

30.5606, 45.7730, 52.0241



Protanomaly

35.1283, 43.2813, 47.0601



Deuteranomaly

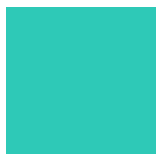
36.5914, 43.2721, 53.4375



Tritanomaly

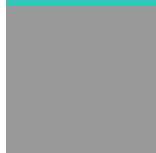
32.6584, 45.5822, 62.9541

Monochromacy



Original Color

30.5606, 45.7730, 52.0241



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

28.0150, 35.0072, 40.4025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5606, 45.7730, 52.0241 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(46, 201, 183)` looks like.

```
.text, #text, p{  
    color:rgb(46, 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(46, 201, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 201, 183) }
```

Border

The CSS property to change the border of an element to XYZ 30.5606, 45.7730, 52.0241 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(46, 201, 183) }
```


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

```
.border{ border-color:rgb(46, 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(46, 201, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 201, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 201, 183);  
box-shadow:4px 4px 4px 4px rgb(46, 201,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5606, 45.7730, 52.0241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 201, 183) }
```

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

```
.background{ background-color: rgb(46, 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](#).

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