

Converting Colors

XYZ(31.9820, 45.7900, 46.8158)

Have a look what the booklet for
XYZ(31.9820, 45.7900, 46.8158)
contains.

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Color

**XYZ(32.0861, 45.9878,
46.7206)**

Conversions

Conversions Part 1

Format	Color
Hex	59C7AD
RGB	89, 199, 173
RGB Percent	35%, 78%, 68%
CMY	0.6510, 0.2196, 0.3216
CMYK	0.55, 0.00, 0.13, 0.22
HSL	166°, 50%, 56%
HSV	166°, 55%, 78%
XYZ	32.0861, 45.9878, 46.7206
YIQ	163.1460, -57.2140, -31.4060

Conversions

Conversions Part 2

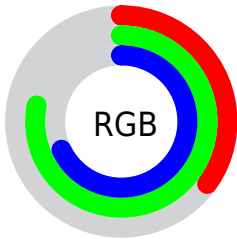
Format	Color
RYB	89, 151, 199
Decimal	5883821
CIELab	73.54, -37.79, 3.52
CIELCh	74, 37.955, 174.671
Yxy	45.9878, 0.2571, 0.3685
Android (android.graphics.Color)	4284073901 (0xFF59C7AD)
YUV	163.1460, 4.8580, -65.0260
Hunter-Lab	67.8143, -34.2184, 6.6222

Details

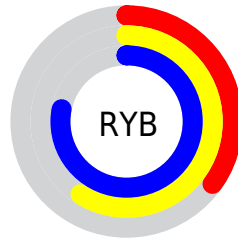
The XYZ color **32.0861, 45.9878, 46.7206** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **30.2217, 20.5260, 18.5905**, and the grayscale version is **34.8800, 36.6965, 39.9625**.

A 20% lighter version of the original color is **61.7962, 83.3245, 86.2250**, and **13.6215, 21.4286, 21.5074** is the 20% darker color. If you saturate the color by 10%, you get **29.9814, 44.9556, 44.2884**, and if you desaturate by 10%, it is **34.7255, 47.2961, 49.2635**.

Distribution



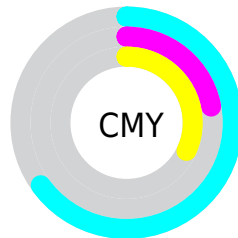
- Red (35%)
- Green (78%)
- Blue (68%)



- Red (35%)
- Yellow (59%)
- Blue (78%)



- Cyan (55%)
- Magenta (0%)
- Yellow (13%)
- Black (22%)





- Cyan (65%)
- Magenta (22%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0861, 45.9878, 46.7206 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 32.0861, 45.9878, 46.7206 by changing the saturation by 10% instead.

 32.0861, 45.9878,
46.7206


 32.0861, 45.9878,
46.7206


303.2496,
370.7596, 390.0596


 21.5831, 32.2362,
32.4621


 62.3103, 84.2007,
86.6420


 13.6658, 21.5420,
21.4469


 82.7623, 109.4309,
113.1420

 7.9687, 13.5207,
13.2567

 107.2613,
139.2559, 144.5595

 4.1266, 7.7881,
7.4727

 136.1727,
174.0604, 181.3132

 1.7740, 3.9597,
3.6766

169.8619,
214.2286, 223.8215

 0.5019, 1.6510,
1.4496

208.6942,

 0.0000, 0.3916,

260.1449, 272.5029

0.1800

253.0350,
312.1938, 327.7761

■ 0.0000, 0.0000,
0.0000

■ 32.0861, 45.9878,
46.7206

■ 32.0861, 45.9878,
46.7206

■ 29.9814, 44.9556,
44.2884

■ 34.7255, 47.2961,
49.2635

■ 28.3648, 44.1721,
41.9609

■ 37.9338, 48.8946,
51.9166

■ 27.1879, 43.6134,
39.7359

■ 41.7467, 50.8030,
54.6833

■ 26.3901, 43.2483,
37.6097

■ 46.1961, 53.0375,
57.5659

■ 26.0886, 43.1141,
36.6366

■ 51.3114, 55.6134,
60.5666

■ 57.1202, 58.5449,
63.6876

■ 63.6485, 61.8454,
66.9307

■ 70.9210, 65.5275,
70.2979

■ 73.9734, 67.0321,
73.5577

Harmonies

Analogous

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



34.0105, 45.9878, 31.6083



32.0861, 45.9878, 46.7206



33.0073, 45.9878, 67.1253

Triad

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



32.0861, 45.9878, 46.7206



49.3169, 45.9878, 91.6913



51.5995, 45.9878, 25.5811

Complementary

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



32.0861, 45.9878, 46.7206



30.2217, 20.5260, 18.5905

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.



56.5073, 45.9878, 36.1847



32.0861, 45.9878, 46.7206



55.0979, 45.9878, 74.6104

Square

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



32.0861, 45.9878, 46.7206



42.5233, 45.9878, 96.5829



57.8486, 45.9878, 53.5818



44.9187, 45.9878, 21.5671

Rectangle

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



32.0861, 45.9878, 46.7206



35.1655, 45.9878, 80.7848



57.8486, 45.9878, 53.5818



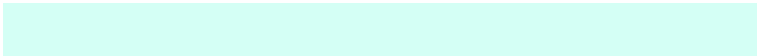
53.5374, 45.9878, 28.3371

Sweetspot

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



32.0874, 45.9896, 46.7217



79.2543, 92.0426, 99.7774



29.4972, 45.3173, 16.6446



16.6138, 19.5251, 21.1345



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.



32.0874, 45.9896, 46.7217



51.9562, 78.4493, 76.8401



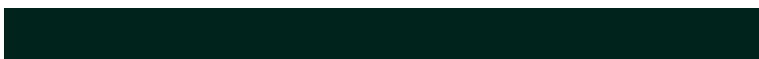
29.0876, 35.5642, 59.3663



10.8353, 12.0230, 13.0831



16.8103, 27.7365, 23.7435



0.8227, 1.3240, 1.2650

Inverse Universe

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



30.2217, 20.5260, 18.5905



48.4211, 29.5468, 23.0535



31.6611, 25.4712, 12.6999



10.7349, 10.6774, 11.5873



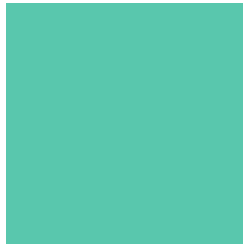
15.5045, 7.9514, 2.6005



0.7634, 0.3882, 0.2770

Previews

White Background



This preview shows how the XYZ color 32.0861, 45.9878, 46.7206 looks on a white background.

Color Contrast Check

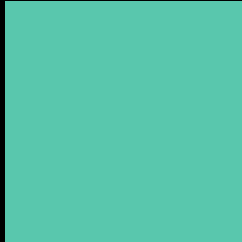
Large Text (above 18pt) WCAG AA × Fail

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 32.0861, 45.9878, 46.7206 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

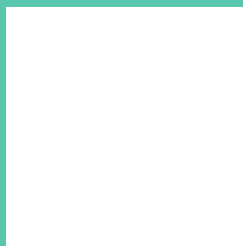
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.0861, 45.9878, 46.7206

Background



This preview shows how black text looks on a background with the XYZ color 32.0861, 45.9878, 46.7206.

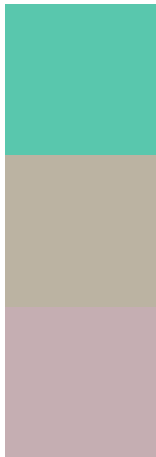


This preview shows how white text looks on a background with the XYZ color 32.0861, 45.9878,

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

32.0861, 45.9878, 46.7206

Protanopia

43.1352, 45.4136, 40.6747

Deuteranopia

46.1979, 45.3568, 48.4393



Tritanopia

36.1672, 45.9537, 67.2853

Trichromacy



Original Color

32.0861, 45.9878, 46.7206



Protanomaly

37.2043, 44.4503, 42.6953



Deuteranomaly

38.8705, 44.2707, 47.5707



Tritanomaly

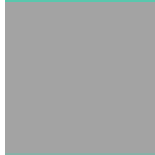
34.6335, 46.0068, 59.2794

Monochromacy



Original Color

32.0861, 45.9878, 46.7206



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.6537, 39.0749, 42.3804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0861, 45.9878, 46.7206 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(89, 199, 173)` looks like.

```
.text, #text, p{  
    color:rgb(89, 199, 173)  
}
```

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(89, 199, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 199, 173) }
```

Border

The CSS property to change the border of an element to XYZ 32.0861, 45.9878, 46.7206 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(89, 199, 173) }
```


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

```
.border{ border-color:rgb(89, 199, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 199, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 199, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 199, 173);  
box-shadow:4px 4px 4px 4px rgb(89, 199,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0861, 45.9878, 46.7206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 199, 173) }
```

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

```
.background{ background-color: rgb(89, 199,  
173) }
```

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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