

Converting Colors

XYZ(32.8540, 45.6641, 61.1160)

Have a look what the booklet for
XYZ(32.8540, 45.6641, 61.1160)
contains.

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Color

**XYZ(32.8868, 45.7406,
61.1283)**

Conversions

Conversions Part 1

Format	Color
Hex	44C6C7
RGB	68, 198, 199
RGB Percent	27%, 78%, 78%
CMY	0.7333, 0.2235, 0.2196
CMYK	0.66, 0.01, 0.00, 0.22
HSL	180°, 54%, 52%
HSV	180°, 66%, 78%
XYZ	32.8868, 45.7406, 61.1283
YIQ	159.2440, -77.8010, -27.2490

Conversions

Conversions Part 2

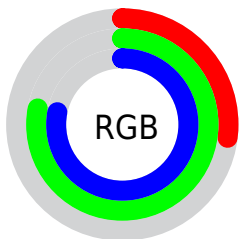
Format	Color
R _{YB}	68, 133, 199
Decimal	4507335
CIE Lab	73.38, -34.23, -10.89
CIE LCh	73, 35.917, 197.653
Yxy	45.7406, 0.2353, 0.3273
Android (android.graphics.Color)	4282697415 (0xFF44C6C7)
YUV	159.2440, 19.5997, -80.0210
Hunter-Lab	67.6318, -31.5578, -6.2464

Details

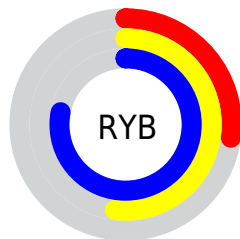
The XYZ color **32.8868, 45.7406, 61.1283** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **26.7257, 16.8168, 7.3075**, and the grayscale version is **33.0065, 34.7254, 37.8160**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **15.0841, 21.9909, 30.2377** is the 20% darker color. If you saturate the color by 10%, you get **31.6931, 45.0748, 61.0635**, and if you desaturate by 10%, it is **34.5542, 46.6527, 61.2173**.

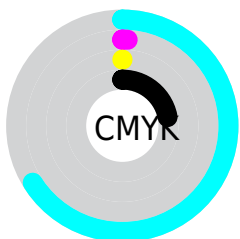
Distribution



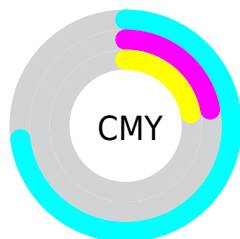
- Red (27%)
- Green (78%)
- Blue (78%)



- Red (27%)
- Yellow (52%)
- Blue (78%)



- Cyan (66%)
- Magenta (1%)
- Yellow (0%)
- Black (22%)



- Cyan (73%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8868, 45.7406, 61.1283 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 32.8868, 45.7406, 61.1283 by changing the saturation by 10% instead.

■ 32.8868, 45.7406,
61.1283

■ 32.8868, 45.7406,
61.1283

306.8134,
369.7648, 446.6638

■ 22.1986, 32.0412,
43.8975

■ 63.5546, 83.8306,
108.0240

■ 14.1203, 21.3929,
30.2533

■ 84.2649, 108.9901,
138.5260

■ 8.2866, 13.4115,
19.7773

■ 109.0466,
138.7383, 174.2888

■ 4.3322, 7.7125,
12.0508

■ 138.2650,
173.4596, 215.7310

■ 1.8918, 3.9116,
6.6553

172.2856,
213.5386, 263.2710

■ 0.5720, 1.6242,
3.1723

211.4736,

■ 0.0000, 0.3738,

259.3595, 317.3275

1.1833

256.1944,
311.3068, 378.3189

■ 0.0000, 0.0000,
0.0000

■ 32.8868, 45.7406,
61.1283

■ 32.8868, 45.7406,
61.1283

■ 31.6931, 45.0748,
61.0635

■ 34.5542, 46.6527,
61.2173

■ 30.9190, 44.6244,
61.0174

■ 36.7342, 47.8281,
61.3293

■ 30.5038, 44.3590,
60.9880

■ 39.4662, 49.2881,
61.4671

■ 30.3854, 44.2765,
60.9784

■ 42.7848, 51.0505,
61.6324

■ 46.7216, 53.1317,
61.8266

■ 51.3061, 55.5468,
62.0511

■ 56.5659, 58.3102,
62.3073

■ 62.5268, 61.4350,
62.5962

■ 69.2135, 64.9340,
62.9192

Harmonies

Analogous

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



32.6455, 45.7406, 42.7220



32.8868, 45.7406, 61.1283



35.7876, 45.7406, 80.2302

Triad

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



32.8868, 45.7406, 61.1283



53.0956, 45.7406, 77.1384



46.1274, 45.7406, 22.9424

Complementary

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



32.8868, 45.7406, 61.1283



26.7257, 16.8168, 7.3075

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.



52.1914, 45.7406, 28.2447



32.8868, 45.7406, 61.1283



56.4683, 45.7406, 57.6278

Square

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



32.8868, 45.7406, 61.1283



47.2677, 45.7406, 90.9048



56.1222, 45.7406, 39.9720



39.8909, 45.7406, 23.4437

Rectangle

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



32.8868, 45.7406, 61.1283



39.0136, 45.7406, 89.4555



56.1222, 45.7406, 39.9720



48.2643, 45.7406, 24.0390

Sweetspot

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



32.8882, 45.7423, 61.1294



78.5880, 91.3296, 108.0941



23.8518, 42.4941, 12.4152



16.4064, 19.3290, 23.1161



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.



32.8882, 45.7423, 61.1294



54.8194, 78.5362, 106.8775



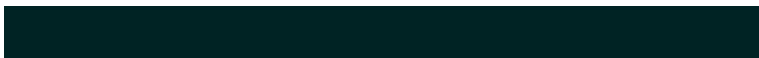
21.1502, 22.2664, 57.2167



10.9395, 12.0532, 13.6674



19.5414, 28.4767, 39.2110



0.9276, 1.3529, 1.8574

Inverse Universe

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



35.8145, 20.3549, 55.4691



60.3421, 30.9781, 96.1160



33.0540, 29.4734, 9.4170



11.0795, 10.8152, 13.4020



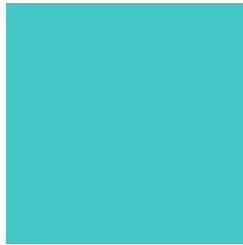
21.6629, 10.4147, 35.0305



1.0269, 0.4936, 1.6648

Previews

White Background



This preview shows how the XYZ color 32.8868, 45.7406, 61.1283 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 32.8868, 45.7406, 61.1283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

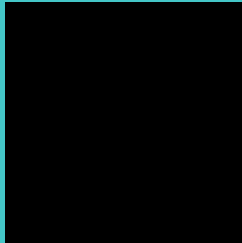
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

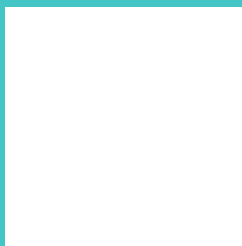
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.8868, 45.7406, 61.1283

Background



This preview shows how black text looks on a background with the XYZ color 32.8868, 45.7406, 61.1283.

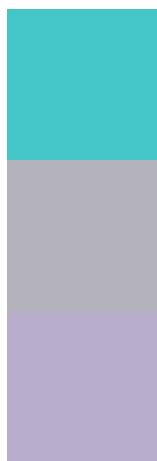


This preview shows how white text looks on a background with the XYZ color 32.8868, 45.7406,

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

32.8868, 45.7406, 61.1283

Protanopia

43.7124, 45.1319, 53.4212

Deuteranopia

45.8023, 44.8221, 63.3642



Tritanopia

34.5252, 45.7292, 69.2943

Trichromacy



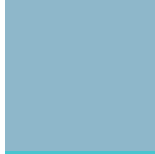
Original Color

32.8868, 45.7406, 61.1283



Protanomaly

37.4004, 43.9485, 55.8019



Deuteranomaly

38.7495, 43.8820, 62.3049



Tritanomaly

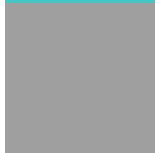
33.9012, 45.8152, 66.0879

Monochromacy



Original Color

32.8868, 45.7406, 61.1283



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

31.1877, 37.3788, 45.6155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8868, 45.7406, 61.1283 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(68, 198, 199)` looks like.

```
.text, #text, p{  
    color:rgb(68, 198, 199)  
}
```

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(68, 198, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 198, 199) }
```

Border

The CSS property to change the border of an element to XYZ 32.8868, 45.7406, 61.1283 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(68, 198, 199) }
```


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

```
.border{ border-color:rgb(68, 198, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 198, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 198, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 198, 199);  
box-shadow:4px 4px 4px 4px rgb(68, 198,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8868, 45.7406, 61.1283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 198, 199) }
```

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

```
.background{ background-color: rgb(68, 198,  
199) }
```

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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