

Converting Colors

XYZ(22.2780, 40.7494, 61.4339)

Have a look what the booklet for
XYZ(22.2780, 40.7494, 61.4339)
contains.

XYZ(30.8488, 45.0170, 61.7068)	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(30.8488, 45.0170,
61.7068)**

Conversions

Conversions Part 1

Format	Color
Hex	00C7C8
RGB	0, 199, 200
RGB Percent	0%, 78%, 78%
CMY	0.9998, 0.2196, 0.2157
CMYK	1.00, 0.00, 0.00, 0.22
HSL	180°, 100%, 39%
HSV	180°, 100%, 78%
XYZ	30.8488, 45.0170, 61.7068
YIQ	139.6130, -118.9250, -41.8770

Conversions

Conversions Part 2

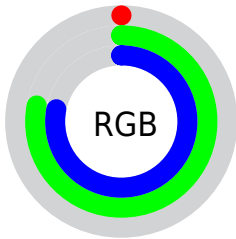
Format	Color
RYB	0, 100, 200
Decimal	51144
CIELab	72.90, -39.59, -12.23
CIELCh	73, 41.435, 197.164
Yxy	45.0170, 0.2242, 0.3272
Android (android.graphics.Color)	4278241224 (0xFF00C7C8)
YUV	139.6130, 29.7708, -122.4406
Hunter-Lab	67.0947, -35.3450, -7.5625

Details

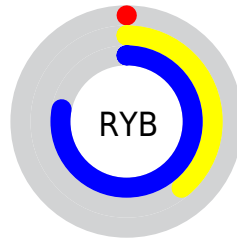
The XYZ color **30.8488, 45.0170, 61.7068** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **23.8314, 12.3024, 1.1199**, and the grayscale version is **24.7047, 25.9913, 28.3045**.

A 20% lighter version of the original color is **59.6357, 81.7433, 107.2426**, and **15.1616, 22.0218, 30.6457** is the 20% darker color. If you saturate the color by 10%, you get **30.8495, 45.0182, 61.7078**, and if you desaturate by 10%, it is **31.1620, 45.2136, 61.7291**.

Distribution



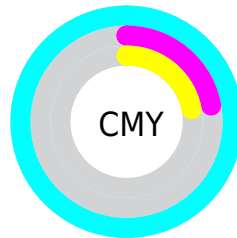
- Red (0%)
- Green (78%)
- Blue (78%)



- Red (0%)
- Yellow (39%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8488, 45.0170, 61.7068 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 30.8488, 45.0170, 61.7068 by changing the saturation by 10% instead.

30.8488, 45.0170,
61.7068

30.8488, 45.0170,
61.7068

297.6805,
366.8424, 448.8389

20.6350, 31.4708,
44.3616

60.3794, 82.7459,
108.8691

12.9684, 20.9576,
30.6156

80.4269, 107.6974,
139.5233

7.4836, 13.0930,
20.0503

104.4831,
137.2195, 175.4509

3.8154, 7.4926,
12.2472

132.9132,
171.6966, 217.0705

1.5982, 3.7721,
6.7877

166.0826,
211.5130, 264.8005

0.3912, 1.5469,
3.2532

204.3567,

0.0000, 0.3214,

257.0532, 319.0596

1.2253

248.1009,
308.7015, 380.2662

■ 0.0000, 0.0000,
0.0000

■ 30.8488, 45.0170,
61.7068

■ 30.8488, 45.0170,
61.7068

■ 30.8495, 45.0182,
61.7078

■ 31.1620, 45.2136,
61.7291

■ 31.7725, 45.5624,
61.7642

■ 32.7850, 46.1186,
61.8182

■ 34.2540, 46.9101,
61.8936

■ 36.2256, 47.9607,
61.9924

■ 38.7403, 49.2913,
62.1167

■ 41.8344, 50.9206,
62.2681

■ 45.5410, 52.8657,
62.4482

■ 49.8910, 55.1425,
62.6584

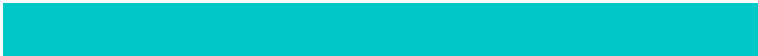
Harmonies

Analogous

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



30.6312, 45.0170, 40.7045



30.8488, 45.0170, 61.7068



34.0273, 45.0170, 84.3242

Triad

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



30.8488, 45.0170, 61.7068



53.7935, 45.0170, 81.3136



45.9455, 45.0170, 19.5768

Complementary

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



30.8488, 45.0170, 61.7068



23.8314, 12.3024, 1.1199

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.



52.9348, 45.0170, 25.2635



30.8488, 45.0170, 61.7068



57.7968, 45.0170, 58.3879

Square

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



30.8488, 45.0170, 61.7068



47.0153, 45.0170, 97.6495



57.4660, 45.0170, 38.1964



38.8207, 45.0170, 20.0011

Rectangle

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



30.8488, 45.0170, 61.7068



37.6236, 45.0170, 95.5347



57.4660, 45.0170, 38.1964



48.4031, 45.0170, 20.7505

Sweetspot

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



30.8502, 45.0187, 61.7079



72.1633, 88.0207, 107.7940



20.6555, 41.3096, 6.8863



14.9328, 18.5701, 23.0473



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.



30.8502, 45.0187, 61.7079



53.4051, 77.9302, 106.8350



14.9857, 13.2896, 56.4197



10.9420, 12.0581, 13.6682



19.6171, 28.6281, 39.2362



0.9304, 1.3585, 1.8583

Inverse Universe

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



34.1294, 16.4043, 55.4021



59.0856, 28.3983, 95.9038



28.3796, 21.3988, 2.6360



11.0808, 10.8157, 13.4086



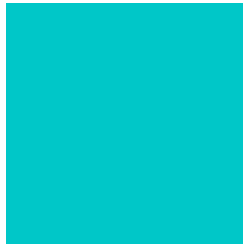
21.7011, 10.4300, 35.2316



1.0283, 0.4942, 1.6722

Previews

White Background



This preview shows how the XYZ color 30.8488, 45.0170, 61.7068 looks on a white background.

Color Contrast Check

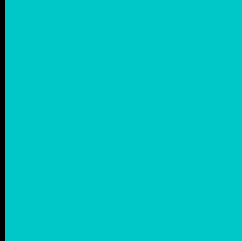
Large Text (above 18pt) WCAG AA × Fail

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 30.8488, 45.0170, 61.7068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

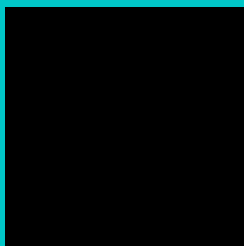
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

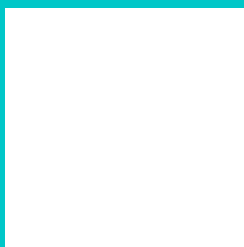
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8488, 45.0170, 61.7068

Background



This preview shows how black text looks on a background with the XYZ color 30.8488, 45.0170, 61.7068.



This preview shows how white text looks on a background with the XYZ color 30.8488, 45.0170,

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

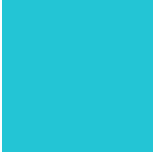
30.8488, 45.0170, 61.7068

Protanopia

42.9452, 44.4544, 52.7715

Deuteranopia

45.1402, 44.1671, 64.5385



Tritanopia

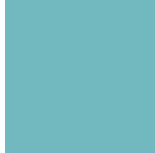
32.6696, 45.0939, 69.9329

Trichromacy



Original Color

30.8488, 45.0170, 61.7068



Protanomaly

33.5630, 41.9702, 55.6223



Deuteranomaly

34.6973, 41.4604, 63.3007



Tritanomaly

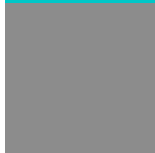
31.9101, 45.1128, 66.7003

Monochromacy



Original Color

30.8488, 45.0170, 61.7068



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

23.3863, 30.2222, 38.7833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8488, 45.0170, 61.7068 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(0, 199, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 200)  
}
```

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(0, 199, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 200) }
```

Border

The CSS property to change the border of an element to XYZ 30.8488, 45.0170, 61.7068 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(0, 199, 200) }
```


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

```
.border{ border-color:rgb(0, 199, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8488, 45.0170, 61.7068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 200) }
```

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

```
.background{ background-color: rgb(0, 199,  
200) }
```

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