

Converting Colors

XYZ(32.8822, 45.6686, 67.4562)

Have a look what the booklet for
XYZ(32.8822, 45.6686, 67.4562)
contains.

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Color

**XYZ(32.8294, 45.5725,
67.3877)**

Conversions

Conversions Part 1

Format	Color
Hex	2EC6D1
RGB	46, 198, 209
RGB Percent	18%, 78%, 82%
CMY	0.8196, 0.2235, 0.1804
CMYK	0.78, 0.05, 0.00, 0.18
HSL	184°, 64%, 50%
HSV	184°, 78%, 82%
XYZ	32.8294, 45.5725, 67.3877
YIQ	153.8060, -94.1230, -28.8030

Conversions

Conversions Part 2

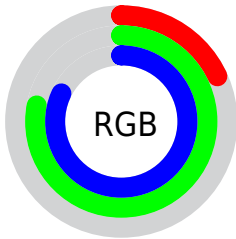
Format	Color
RYB	46, 125, 209
Decimal	3065553
CIELab	73.27, -33.96, -16.53
CIELCh	73, 37.767, 205.956
Yxy	45.5725, 0.2252, 0.3126
Android (android.graphics.Color)	4281255633 (0xFF2EC6D1)
YUV	153.8060, 27.2106, -94.5459
Hunter-Lab	67.5074, -31.3320, -11.9297

Details

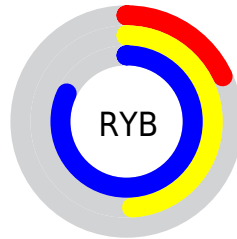
The XYZ color **32.8294, 45.5725, 67.3877** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **28.2519, 16.6801, 4.3166**, and the grayscale version is **30.5464, 32.1371, 34.9974**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **15.8897, 22.3131, 34.4797** is the 20% darker color. If you saturate the color by 10%, you get **31.7863, 44.5594, 67.2480**, and if you desaturate by 10%, it is **34.3362, 46.8310, 67.5521**.

Distribution



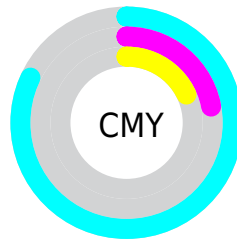
- Red (18%)
- Green (78%)
- Blue (82%)



- Red (18%)
- Yellow (49%)
- Blue (82%)



- Cyan (78%)
- Magenta (5%)
- Yellow (0%)
- Black (18%)





- Cyan (82%)
- Magenta (22%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8294, 45.5725, 67.3877 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 32.8294, 45.5725, 67.3877 by changing the saturation by 10% instead.


 32.8294, 45.5725,
67.3877


 32.8294, 45.5725,
67.3877


306.5589,
369.0873, 469.8626


 22.1544, 31.9086,
48.9362


 63.4656, 83.5788,
117.1217


 14.0876, 21.2917,
34.2036


 84.1574, 108.6901,
149.2412


 8.2637, 13.3374,
22.7714


 108.9189,
138.3859, 186.7539

 4.3174, 7.6613,
14.2211

 138.1155,
173.0507, 230.0782

 1.8832, 3.8790,
8.1341

 172.1124,
213.0688, 279.6327

 0.5671, 1.6061,
4.0919

211.2750,

 0.0000, 0.3617,

258.8247, 335.8359

1.6759

255.9687,
310.7027, 399.1063

■ 0.0000, 0.0000,
0.3441

■ 0.0000, 0.0000,
0.0000

■ 32.8294, 45.5725,
67.3877

■ 32.8294, 45.5725,
67.3877

■ 31.7863, 44.5594,
67.2480

■ 34.3362, 46.8310,
67.5521

■ 31.1175, 43.7427,
67.1256

■ 36.3611, 48.3602,
67.7405

■ 31.0011, 43.5881,
67.1019

■ 38.9556, 50.1875,
67.9564

■ 42.1638, 52.3356,
68.2020

■ 46.0254, 54.8251,
68.4790

■ 50.5768, 57.6747,
68.7891

■ 55.8518, 60.9018,
69.1340

■ 61.8818, 64.5227,
69.5151

■ 68.6964, 68.5527,
69.9338

Harmonies

Analogous

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



31.7973, 45.5725, 47.0892



32.8294, 45.5725, 67.3877



36.5600, 45.5725, 86.4607

Triad

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



32.8294, 45.5725, 67.3877



54.7670, 45.5725, 73.0083



44.2209, 45.5725, 21.3741

Complementary

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



32.8294, 45.5725, 67.3877



28.2519, 16.6801, 4.3166

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.



50.8553, 45.5725, 25.0897



32.8294, 45.5725, 67.3877



57.3248, 45.5725, 52.2413

Square

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



32.8294, 45.5725, 67.3877



49.1412, 45.5725, 90.2444



55.8254, 45.5725, 35.2881



37.9690, 45.5725, 23.4902

Rectangle

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



32.8294, 45.5725, 67.3877



40.2934, 45.5725, 94.1633



55.8254, 45.5725, 35.2881



46.4847, 45.5725, 21.9501

Sweetspot

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



32.8308, 45.5742, 67.3888



75.4165, 88.0236, 107.6231



24.6635, 46.4769, 11.5260



15.6023, 18.5007, 22.9986



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.



32.8308, 45.5742, 67.3888



49.0673, 68.9549, 105.3312



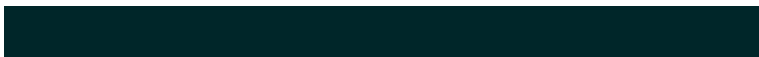
18.9555, 17.8236, 62.7637



12.0872, 13.2648, 15.1669



19.1433, 26.9331, 41.3821



1.0914, 1.5479, 2.3208

Inverse Universe

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



37.4657, 19.5878, 55.2341



56.9693, 27.8319, 83.8956



35.9303, 32.0369, 6.8760



12.2749, 11.9947, 14.7236



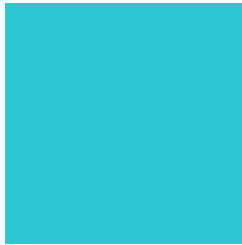
22.2934, 10.7902, 32.7806



1.2571, 0.6076, 1.8887

Previews

White Background



This preview shows how the XYZ color 32.8294, 45.5725, 67.3877 looks on a white background.

Color Contrast Check

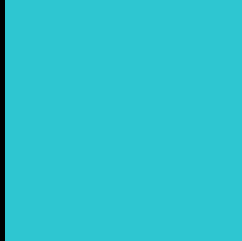
Large Text (above 18pt) WCAG AA × Fail

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 32.8294, 45.5725, 67.3877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

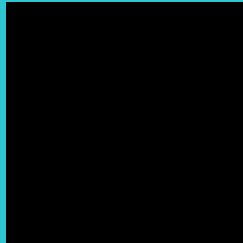
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

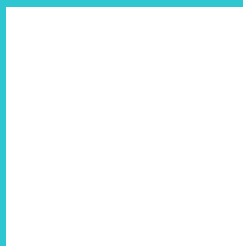
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.8294, 45.5725, 67.3877

Background



This preview shows how black text looks on a background with the XYZ color 32.8294, 45.5725, 67.3877.

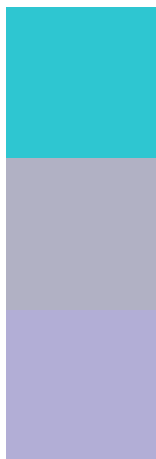


This preview shows how white text looks on a background with the XYZ color 32.8294, 45.5725,

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

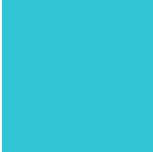
32.8294, 45.5725, 67.3877

Protanopia

43.8174, 44.7769, 58.5579

Deuteranopia

45.6337, 44.5921, 69.8203



Tritanopia

33.2919, 45.4147, 69.9620

Trichromacy



Original Color

32.8294, 45.5725, 67.3877



Protanomaly

36.9448, 43.5821, 61.7233



Deuteranomaly

38.0231, 43.3663, 68.6539



Tritanomaly

33.1165, 45.3389, 69.2932

Monochromacy



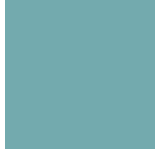
Original Color

32.8294, 45.5725, 67.3877



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

29.0849, 35.4503, 45.3540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8294, 45.5725, 67.3877 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, 198, 209)` looks like.

```
.text, #text, p{  
    color:rgb(46, 198, 209)  
}
```

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, 198, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 198, 209) }
```

Border

The CSS property to change the border of an element to XYZ 32.8294, 45.5725, 67.3877 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, 198, 209) }
```


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

```
.border{ border-color:rgb(46, 198, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 198, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 198, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 198, 209);  
box-shadow:4px 4px 4px 4px rgb(46, 198,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8294, 45.5725, 67.3877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 198, 209) }
```

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

```
.background{ background-color: rgb(46, 198,  
209) }
```

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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