

Converting Colors

XYZ(32.8550, 45.3774, 67.3120)

Have a look what the booklet for
XYZ(32.8550, 45.3774, 67.3120)
contains.

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Color

**XYZ(32.7903, 45.2141,
67.3206)**

Conversions

Conversions Part 1

Format	Color
Hex	32C5D1
RGB	50, 197, 209
RGB Percent	20%, 77%, 82%
CMY	0.8039, 0.2274, 0.1804
CMYK	0.76, 0.06, 0.00, 0.18
HSL	185°, 63%, 51%
HSV	185°, 76%, 82%
XYZ	32.7903, 45.2141, 67.3206
YIQ	154.4150, -91.4640, -27.4320

Conversions

Conversions Part 2

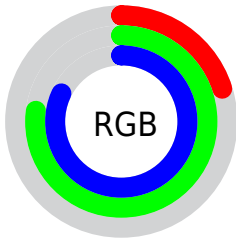
Format	Color
RYB	50, 126, 209
Decimal	3327441
CIELab	73.03, -33.09, -16.88
CIELCh	73, 37.142, 207.028
Yxy	45.2141, 0.2256, 0.3111
Android (android.graphics.Color)	4281517521 (0xFF32C5D1)
YUV	154.4150, 26.9104, -91.5720
Hunter-Lab	67.2414, -30.6269, -12.2908

Details

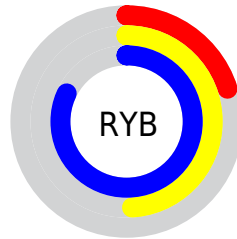
The XYZ color **32.7903, 45.2141, 67.3206** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **28.5941, 17.2323, 4.8381**, and the grayscale version is **30.8138, 32.4185, 35.3038**.

A 20% lighter version of the original color is **61.5179, 82.2412, 107.2395**, and **15.7389, 22.0115, 34.4295** is the 20% darker color. If you saturate the color by 10%, you get **31.6293, 44.0876, 67.1652**, and if you desaturate by 10%, it is **34.4279, 46.5937, 67.5014**.

Distribution



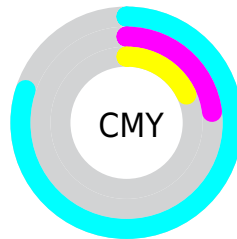
- Red (20%)
- Green (77%)
- Blue (82%)



- Red (20%)
- Yellow (49%)
- Blue (82%)



- Cyan (76%)
- Magenta (6%)
- Yellow (0%)
- Black (18%)





- Cyan (80%)
- Magenta (23%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7903, 45.2141, 67.3206 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 32.7903, 45.2141, 67.3206 by changing the saturation by 10% instead.


 32.7903, 45.2141,
67.3206


 32.7903, 45.2141,
67.3206


306.3855,
367.6400, 469.6176


 22.1243, 31.6261,
48.8820


 63.4049, 83.0416,
117.0247


 14.0654, 21.0761,
34.1609


 84.0842, 108.0499,
149.1272


 8.2482, 13.1796,
22.7389


 108.8319,
137.6337, 186.6215

 4.3073, 7.5523,
14.1973

 138.0136,
172.1775, 229.9260

 1.8774, 3.8099,
8.1177

 171.9944,
212.0656, 279.4594

 0.5637, 1.5678,
4.0815

211.1397,

 0.0000, 0.3357,

257.6825, 335.6401

1.6702

255.8150,
309.4125, 398.8866

■ 0.0000, 0.0000,
0.3402

■ 0.0000, 0.0000,
0.0000

■ 32.7903, 45.2141,
67.3206

■ 32.7903, 45.2141,
67.3206

■ 31.6293, 44.0876,
67.1652

■ 34.4279, 46.5937,
67.5014

■ 30.8696, 43.1726,
67.0286

■ 36.5945, 48.2507,
67.7071

■ 30.6293, 42.8446,
66.9780

■ 39.3403, 50.2119,
67.9409

■ 42.7084, 52.4995,
68.2049

■ 46.7379, 55.1337,
68.5010

■ 51.4647, 58.1330,
68.8308

■ 56.9219, 61.5145,
69.1959

■ 63.1407, 65.2943,
69.5977

■ 70.1504, 69.4875,
70.0376

Harmonies

Analogous

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



31.6792, 45.2141, 47.4007



32.7903, 45.2141, 67.3206



36.5352, 45.2141, 85.7078

Triad

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



32.7903, 45.2141, 67.3206



54.3157, 45.2141, 71.3523



43.6249, 45.2141, 21.4717

Complementary

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



32.7903, 45.2141, 67.3206



28.5941, 17.2323, 4.8381

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.



50.1294, 45.2141, 24.9244



32.7903, 45.2141, 67.3206



56.6789, 45.2141, 51.1067

Square

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



32.7903, 45.2141, 67.3206



48.8979, 45.2141, 88.4173



55.0755, 45.2141, 34.7114



37.5501, 45.2141, 23.7659

Rectangle

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



32.7903, 45.2141, 67.3206



40.2341, 45.2141, 92.9104



55.0755, 45.2141, 34.7114



45.8369, 45.2141, 21.9724

Sweetspot

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



32.7917, 45.2158, 67.3217



75.2703, 87.7312, 107.5744



24.9487, 46.6128, 12.0425



15.5662, 18.4285, 22.9866



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.



32.7917, 45.2158, 67.3217



48.8278, 68.2528, 105.2084



19.4106, 18.4536, 62.8613



12.0789, 13.2480, 15.1641



18.9171, 26.4809, 41.3068



1.0810, 1.5272, 2.3174

Inverse Universe

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



37.5144, 19.8691, 54.6830



56.9029, 28.0138, 82.9031



36.2645, 32.5731, 7.3949



12.2707, 11.9930, 14.7013



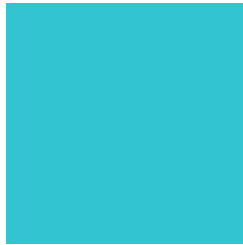
22.1792, 10.7445, 32.1796



1.2519, 0.6055, 1.8611

Previews

White Background



This preview shows how the XYZ color 32.7903, 45.2141, 67.3206 looks on a white background.

Color Contrast Check

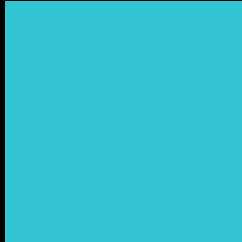
Large Text (above 18pt) WCAG AA × Fail

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 32.7903, 45.2141, 67.3206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

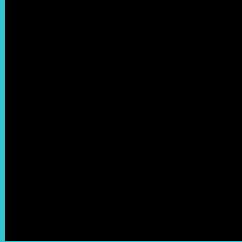
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

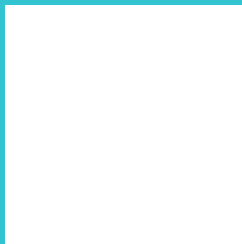
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7903, 45.2141, 67.3206

Background



This preview shows how black text looks on a background with the XYZ color 32.7903, 45.2141, 67.3206.



This preview shows how white text looks on a background with the XYZ color 32.7903, 45.2141,

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

32.7903, 45.2141, 67.3206

Protanopia

43.5904, 44.6599, 58.5473

Deuteranopia

45.4051, 44.4743, 69.8096



Tritanopia

33.0918, 44.9902, 69.2272

Trichromacy



Original Color

32.7903, 45.2141, 67.3206



Protanomaly

36.8890, 43.2439, 61.6610



Deuteranomaly

37.9717, 43.0347, 68.5926



Tritanomaly

32.9140, 44.9131, 68.5624

Monochromacy



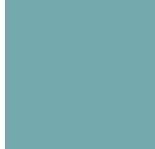
Original Color

32.7903, 45.2141, 67.3206



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

29.2172, 35.5184, 45.3602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7903, 45.2141, 67.3206 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(50, 197, 209)` looks like.

```
.text, #text, p{  
    color:rgb(50, 197, 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(50, 197, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 197, 209) }
```

Border

The CSS property to change the border of an element to XYZ 32.7903, 45.2141, 67.3206 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(50, 197, 209) }
```


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

```
.border{ border-color:rgb(50, 197, 209) }
```

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

Here you see how a box with a 4 pixel rgb(50, 197, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 197, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 197, 209);  
box-shadow:4px 4px 4px 4px rgb(50, 197,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7903, 45.2141, 67.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 197, 209) }
```

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

```
.background{ background-color: rgb(50, 197,  
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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