

Converting Colors

XYZ(32.3604, 47.6170, 58.3364)

Have a look what the booklet for
XYZ(32.3604, 47.6170, 58.3364)
contains.

XYZ(32.4127, 47.6387, 58.5258)	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(32.4127, 47.6387,
58.5258)**

Conversions

Conversions Part 1

Format	Color
Hex	2DCCC2
RGB	45, 204, 194
RGB Percent	18%, 80%, 76%
CMY	0.8235, 0.2000, 0.2392
CMYK	0.78, 0.00, 0.05, 0.20
HSL	176°, 64%, 49%
HSV	176°, 78%, 80%
XYZ	32.4127, 47.6387, 58.5258
YIQ	155.3190, -91.5540, -36.8180

Conversions

Conversions Part 2

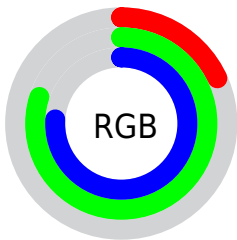
Format	Color
RYB	45, 127, 204
Decimal	3001538
CIELab	74.60, -41.18, -6.41
CIELCh	75, 41.674, 188.853
Yxy	47.6387, 0.2339, 0.3438
Android (android.graphics.Color)	4281191618 (0xFF2DCCC2)
YUV	155.3190, 19.0697, -96.7498
Hunter-Lab	69.0208, -36.9614, -1.9601

Details

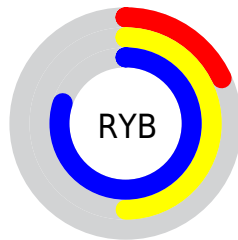
The XYZ color **32.4127, 47.6387, 58.5258** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted cyan. A complement of this color would be **26.5315, 14.9915, 5.1115**, and the grayscale version is **31.2464, 32.8736, 35.7994**.

A 20% lighter version of the original color is **60.6231, 82.3441, 103.1413**, and **15.5552, 23.4180, 28.8996** is the 20% darker color. If you saturate the color by 10%, you get **31.5792, 47.2267, 57.7386**, and if you desaturate by 10%, it is **33.6836, 48.2782, 59.3421**.

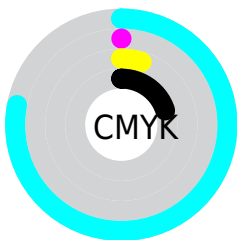
Distribution



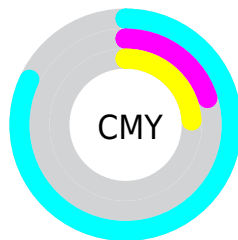
- Red (18%)
- Green (80%)
- Blue (76%)



- Red (18%)
- Yellow (50%)
- Blue (80%)



- Cyan (78%)
- Magenta (0%)
- Yellow (5%)
- Black (20%)



- Cyan (82%)
- Magenta (20%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4127, 47.6387, 58.5258 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 32.4127, 47.6387, 58.5258 by changing the saturation by 10% instead.


 32.4127, 47.6387,
58.5258


 32.4127, 47.6387,
58.5258


304.7070,
377.3582, 436.7952


 21.8340, 33.5409,
41.8140


 62.8184, 86.6662,
104.2105

 13.8509, 22.5411,
28.6312

 83.3760, 112.3647,
134.0205


 8.0980, 14.2550,
18.5588


 107.9907,
142.6988, 169.0336

 4.2101, 8.2983,
11.1784

 137.0278,
178.0530, 209.6684

 1.8217, 4.2864,
6.0713

 170.8526,
218.8116, 256.3434

 0.5307, 1.8350,
2.8190

209.8305,

 0.0000, 0.5089,

265.3591, 309.4772

1.0030

254.3268,
318.0799, 369.4883

■ 0.0000, 0.0000,
0.0000

■ 32.4127, 47.6387,
58.5258

■ 32.4127, 47.6387,
58.5258

■ 31.5792, 47.2267,
57.7386

■ 33.6836, 48.2782,
59.3421

■ 31.0982, 46.9952,
56.9734

■ 35.4428, 49.1682,
60.1866

■ 31.0163, 46.9563,
56.8170

■ 37.7387, 50.3348,
61.0628

■ 40.6130, 51.7994,
61.9727

■ 44.1030, 53.5813,
62.9179

■ 48.2429, 55.6980,
63.9001

■ 53.0646, 58.1661,
64.9208

■ 58.5977, 61.0008,
65.9814

■ 64.8701, 64.2164,
67.0832

Harmonies

Analogous

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



33.0600, 47.6387, 38.2881



32.4127, 47.6387, 58.5258



34.9021, 47.6387, 82.5172

Triad

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



32.4127, 47.6387, 58.5258



54.9956, 47.6387, 91.3848



50.7129, 47.6387, 21.9853

Complementary

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



32.4127, 47.6387, 58.5258



26.5315, 14.9915, 5.1115

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.



57.5326, 47.6387, 29.9418



32.4127, 47.6387, 58.5258



60.1898, 47.6387, 68.3360

Square

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



32.4127, 47.6387, 58.5258



47.5470, 47.6387, 104.6572



61.1664, 47.6387, 45.7398



43.0846, 47.6387, 20.7122

Rectangle

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



32.4127, 47.6387, 58.5258



38.1873, 47.6387, 96.1331



61.1664, 47.6387, 45.7398



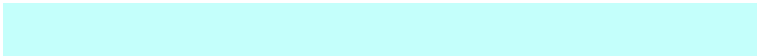
53.1988, 47.6387, 23.8343

Sweetspot

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



32.4141, 47.6405, 58.5269



76.0777, 90.2874, 104.9411



23.6768, 44.2064, 9.7686



15.7657, 19.0604, 22.3354



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.



32.4141, 47.6405, 58.5269



51.6784, 77.9107, 94.6912



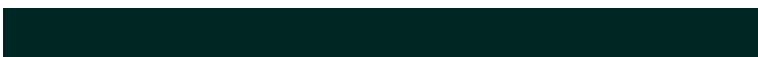
20.6611, 22.2758, 60.3394



11.5116, 12.7144, 14.2516



19.5344, 29.5591, 35.8287



1.0172, 1.5287, 1.8980

Inverse Universe

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



26.5315, 14.9915, 5.1115



41.6543, 21.7059, 3.2480



31.3836, 25.0413, 5.6632



11.2405, 11.2249, 11.8009



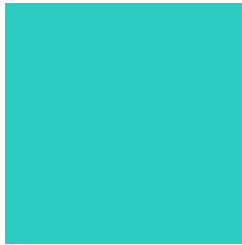
15.7307, 8.1029, 1.0344



0.8218, 0.4221, 0.1073

Previews

White Background



This preview shows how the XYZ color 32.4127, 47.6387, 58.5258 looks on a white background.

Color Contrast Check

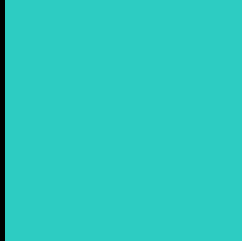
Large Text (above 18pt) WCAG AA × Fail

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 32.4127, 47.6387, 58.5258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

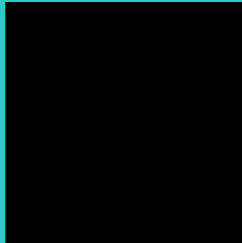
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

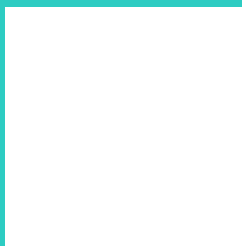
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.4127, 47.6387, 58.5258

Background



This preview shows how black text looks on a background with the XYZ color 32.4127, 47.6387, 58.5258.

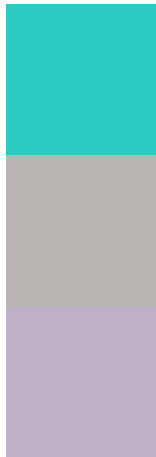


This preview shows how white text looks on a background with the XYZ color 32.4127, 47.6387,

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

32.4127, 47.6387, 58.5258

Protanopia

44.8719, 46.6982, 50.3647

Deuteranopia

47.6333, 46.6908, 61.1453



Tritanopia

35.3976, 47.8072, 73.0077

Trichromacy



Original Color

32.4127, 47.6387, 58.5258



Protanomaly

36.8920, 45.0087, 53.1975



Deuteranomaly

38.4446, 45.0211, 60.0898



Tritanomaly

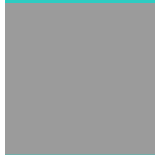
34.2600, 47.6853, 67.7201

Monochromacy



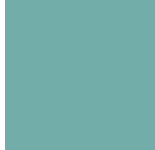
Original Color

32.4127, 47.6387, 58.5258



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.1752, 36.3966, 43.0237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4127, 47.6387, 58.5258 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(45, 204, 194)` looks like.

```
.text, #text, p{  
    color:rgb(45, 204, 194)  
}
```

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(45, 204, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 204, 194) }
```

Border

The CSS property to change the border of an element to XYZ 32.4127, 47.6387, 58.5258 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(45, 204, 194) }
```


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

```
.border{ border-color:rgb(45, 204, 194) }
```

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

Here you see how a box with a 4 pixel rgb(45, 204, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 204, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 204, 194);  
box-shadow:4px 4px 4px 4px rgb(45, 204,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4127, 47.6387, 58.5258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 204, 194) }
```

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

```
.background{ background-color: rgb(45, 204,  
194) }
```

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