

Converting Colors

XYZ(22.1457, 43.9794, 58.2127)

Have a look what the booklet for
XYZ(22.1457, 43.9794, 58.2127)
contains.

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Color

**XYZ(32.5381, 49.4960,
58.8777)**

Conversions

Conversions Part 1

Format	Color
Hex	00D1C2
RGB	0, 209, 194
RGB Percent	0%, 82%, 76%
CMY	0.9998, 0.1804, 0.2392
CMYK	1.00, 0.00, 0.07, 0.18
HSL	176°, 100%, 41%
HSV	176°, 100%, 82%
XYZ	32.5381, 49.4960, 58.8777
YIQ	144.7990, -119.7490, -48.9730

Conversions

Conversions Part 2

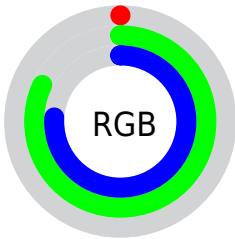
Format	Color
RYB	0, 108, 209
Decimal	53698
CIELab	75.76, -45.74, -4.73
CIELCh	76, 45.982, 185.910
Yxy	49.4960, 0.2309, 0.3513
Android (android.graphics.Color)	4278243778 (0xFF00D1C2)
YUV	144.7990, 24.2561, -126.9887
Hunter-Lab	70.3534, -40.5631, -0.3715

Details

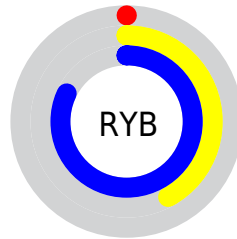
The XYZ color **32.5381, 49.4960, 58.8777** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **26.3824, 13.5913, 1.6865**, and the grayscale version is **26.7774, 28.1719, 30.6792**.

A 20% lighter version of the original color is **58.9592, 81.4863, 103.0634**, and **16.3633, 25.0343, 29.1690** is the 20% darker color. If you saturate the color by 10%, you get **32.5387, 49.4975, 58.8770**, and if you desaturate by 10%, it is **33.0165, 49.7242, 59.7854**.

Distribution



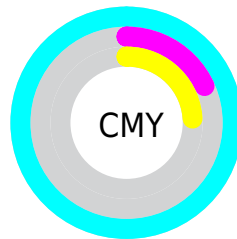
- Red (0%)
- Green (82%)
- Blue (76%)



- Red (0%)
- Yellow (42%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.5381, 49.4960, 58.8777 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 32.5381, 49.4960, 58.8777 by changing the saturation by 10% instead.


 32.5381, 49.4960,
58.8777


 32.5381, 49.4960,
58.8777


305.2651,
384.6917, 438.1378


 21.9304, 35.0131,
42.0953


 63.0132, 89.4277,
104.7273


 13.9221, 23.6730,
28.8498


 83.6113, 115.6452,
134.6315


 8.1478, 15.0912,
18.7226


 108.2703,
146.5432, 169.7468

 4.2423, 8.8834,
11.2952

 137.3555,
182.5058, 210.4917

 1.8401, 4.6652,
6.1491

 171.2322,
223.9176, 257.2847

 0.5416, 2.0522,
2.8657

210.2658,

 0.0000, 0.6375,

271.1629, 310.5443

1.0265

254.8217,
324.6262, 370.6892

■ 0.0000, 0.0000,
0.0000

■ 32.5381, 49.4960,
58.8777

■ 32.5381, 49.4960,
58.8777

■ 32.5387, 49.4975,
58.8770

■ 33.0165, 49.7242,
59.7854

■ 33.8280, 50.1228,
60.7166

■ 35.0860, 50.7513,
61.6775

■ 36.8513, 51.6412,
62.6712

■ 39.1755, 52.8190,
63.7000

■ 42.1037, 54.3080,
64.7660

■ 45.6765, 56.1290,
65.8713

■ 49.9307, 58.3012,
67.0175

■ 54.9006, 60.8421,
68.2063

Harmonies

Analogous

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



33.5989, 49.4960, 36.8976



32.5381, 49.4960, 58.8777



34.9669, 49.4960, 86.4197

Triad

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



32.5381, 49.4960, 58.8777



57.3393, 49.4960, 101.6161



54.0646, 49.4960, 21.3695

Complementary

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



32.5381, 49.4960, 58.8777



26.3824, 13.5913, 1.6865

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.



61.6248, 49.4960, 30.7627



32.5381, 49.4960, 58.8777



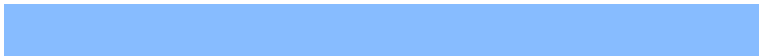
63.6697, 49.4960, 75.4388

Square

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



32.5381, 49.4960, 58.8777



48.7543, 49.4960, 115.4506



65.3256, 49.4960, 49.1974



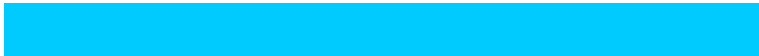
45.3751, 49.4960, 19.3617

Rectangle

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



32.5381, 49.4960, 58.8777



38.4340, 49.4960, 102.9287



65.3256, 49.4960, 49.1974



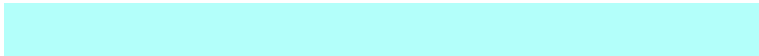
56.8534, 49.4960, 23.5918

Sweetspot

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



32.5396, 49.4979, 58.8789



71.4133, 87.9155, 103.2440



23.0409, 45.7260, 7.6128



14.7502, 18.5446, 21.9388



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.



32.5396, 49.4979, 58.8789



51.0013, 77.6165, 92.1793



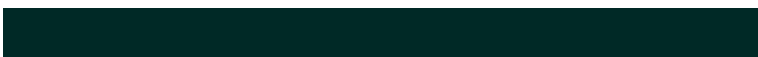
18.4613, 18.5073, 62.9229



12.1202, 13.3918, 14.9894



20.0773, 30.5238, 36.3826



1.1338, 1.7112, 2.0934

Inverse Universe

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



26.3824, 13.5913, 1.6865



41.3517, 21.3047, 2.5183



29.7127, 20.3900, 2.3709



11.8427, 11.8218, 12.4474



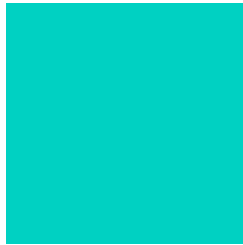
16.2793, 8.3845, 1.1108



0.9225, 0.4737, 0.1269

Previews

White Background



This preview shows how the XYZ color 32.5381, 49.4960, 58.8777 looks on a white background.

Color Contrast Check

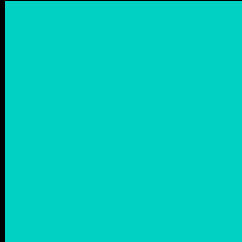
Large Text (above 18pt) WCAG AA × Fail

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 32.5381, 49.4960, 58.8777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

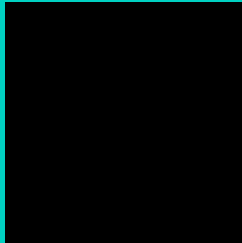
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

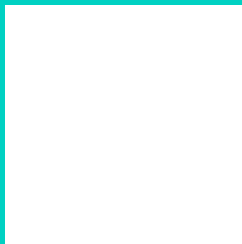
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.5381, 49.4960, 58.8777

Background



This preview shows how black text looks on a background with the XYZ color 32.5381, 49.4960, 58.8777.

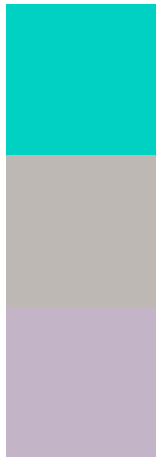


This preview shows how white text looks on a background with the XYZ color 32.5381, 49.4960,

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

32.5381, 49.4960, 58.8777

Protanopia

46.6139, 48.5234, 50.0892

Deuteranopia

49.5115, 48.5484, 61.4048



Tritanopia

36.3315, 49.6147, 76.7690

Trichromacy



Original Color

32.5381, 49.4960, 58.8777



Protanomaly

35.7121, 45.7077, 52.8392



Deuteranomaly

37.2813, 45.6988, 60.2819



Tritanomaly

34.5506, 49.2032, 69.9635

Monochromacy



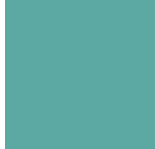
Original Color

32.5381, 49.4960, 58.8777



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

25.0271, 32.9249, 39.6864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5381, 49.4960, 58.8777 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, 209, 194)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 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(0, 209, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 194) }
```

Border

The CSS property to change the border of an element to XYZ 32.5381, 49.4960, 58.8777 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, 209, 194) }
```


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

```
.border{ border-color:rgb(0, 209, 194) }
```

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

Here you see how a box with a 4 pixel rgb(0, 209, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 194);  
box-shadow:4px 4px 4px 4px rgb(0, 209,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5381, 49.4960, 58.8777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 194) }
```

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

```
.background{ background-color: rgb(0, 209,  
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](#).

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