

Converting Colors

XYZ(31.4960, 45.6662, 63.0316)

Have a look what the booklet for
XYZ(31.4960, 45.6662, 63.0316)
contains.

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Color

**XYZ(31.4960, 45.6662,
63.0316)**

Conversions

Conversions Part 1

Format	Color
Hex	0EC8CA
RGB	14, 200, 202
RGB Percent	5%, 78%, 79%
CMY	0.9450, 0.2157, 0.2078
CMYK	0.93, 0.01, 0.00, 0.21
HSL	181°, 87%, 42%
HSV	181°, 93%, 79%
XYZ	31.4960, 45.6662, 63.0316
YIQ	144.6140, -111.4980, -38.8100

Conversions

Conversions Part 2

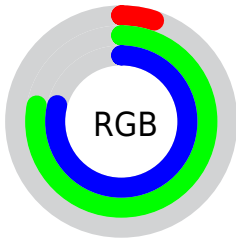
Format	Color
RYB	14, 107, 202
Decimal	968906
CIELab	73.33, -39.04, -12.67
CIELCh	73, 41.041, 197.982
Yxy	45.6662, 0.2247, 0.3257
Android (android.graphics.Color)	4279158986 (0xFF0EC8CA)
YUV	144.6140, 28.2913, -114.5485
Hunter-Lab	67.5768, -35.0645, -7.9985

Details

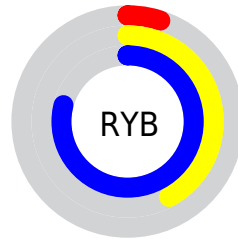
The XYZ color **31.4960, 45.6662, 63.0316** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **24.6227, 12.9600, 1.6203**, and the grayscale version is **26.6828, 28.0724, 30.5708**.

A 20% lighter version of the original color is **59.9943, 81.9281, 107.2594**, and **15.4707, 22.3889, 31.5231** is the 20% darker color. If you saturate the color by 10%, you get **31.2813, 45.5052, 63.0127**, and if you desaturate by 10%, it is **32.0329, 46.0179, 63.0720**.

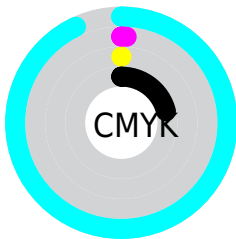
Distribution



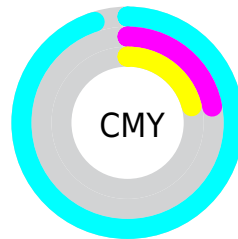
- Red (5%)
- Green (78%)
- Blue (79%)



- Red (5%)
- Yellow (42%)
- Blue (79%)



- Cyan (93%)
- Magenta (1%)
- Yellow (0%)
- Black (21%)





- Cyan (95%)
- Magenta (22%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4960, 45.6662, 63.0316 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 31.4960, 45.6662, 63.0316 by changing the saturation by 10% instead.


 31.4960, 45.6662,
63.0316


 31.4960, 45.6662,
63.0316


300.6032,
369.4650, 453.7953


 21.1305, 31.9825,
45.4256


 61.3907, 83.7192,
110.8011

 13.3324, 21.3481,
31.4474


 81.6506, 108.8573,
141.8017

 7.7364, 13.3787,
20.6785


 105.9393,
138.5823, 178.1043

 3.9771, 7.6898,
12.7002

 134.6223,
173.2787, 220.1273

 1.6892, 3.8971,
7.0942

 168.0648,
213.3307, 268.2894

 0.4495, 1.6162,
3.4417

206.6322,

 0.0000, 0.3685,

259.1229, 323.0091

1.3244

250.6899,
311.0395, 384.7048

■ 0.0000, 0.0000,
0.0816

■ 0.0000, 0.0000,
0.0000

■ 31.4960, 45.6662,
63.0316

■ 31.4960, 45.6662,
63.0316

■ 31.2813, 45.5052,
63.0127

■ 32.0329, 46.0179,
63.0720

■ 32.9600, 46.5698,
63.1297

■ 34.3382, 47.3544,
63.2085

■ 36.2171, 48.3972,
63.3108

■ 38.6398, 49.7204,
63.4385

■ 41.6445, 51.3438,
63.5935

■ 45.2663, 53.2854,
63.7773

■ 49.5373, 55.5619,
63.9916

■ 54.4876, 58.1885,
64.2377

Harmonies

Analogous

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



31.1951, 45.6662, 41.8969



31.4960, 45.6662, 63.0316



34.7610, 45.6662, 85.4868

Triad

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



31.4960, 45.6662, 63.0316



54.5541, 45.6662, 81.3579



46.3589, 45.6662, 20.0969

Complementary

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



31.4960, 45.6662, 63.0316



24.6227, 12.9600, 1.6203

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.



53.3734, 45.6662, 25.6518



31.4960, 45.6662, 63.0316



58.4442, 45.6662, 58.4670

Square

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



31.4960, 45.6662, 63.0316



47.8318, 45.6662, 97.9235



57.9896, 45.6662, 38.4330



39.2589, 45.6662, 20.6877

Rectangle

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



31.4960, 45.6662, 63.0316



38.4061, 45.6662, 96.4270



57.9896, 45.6662, 38.4330



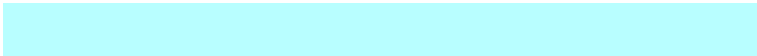
48.8184, 45.6662, 21.2259

Sweetspot

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



31.4974, 45.6679, 63.0327



73.2398, 88.3976, 107.8100



21.3819, 42.3671, 7.4673



15.1275, 18.6260, 23.0478



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.



31.4974, 45.6679, 63.0327



52.9512, 77.0224, 106.6837



16.2067, 15.0865, 57.9358



11.5327, 12.7058, 14.4150



20.1333, 29.2906, 40.5488



1.0420, 1.5178, 2.0930

Inverse Universe

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



34.9406, 17.0419, 56.0933



58.8565, 28.3066, 94.6974



29.8012, 23.3171, 3.3465



11.6822, 11.4016, 14.1272



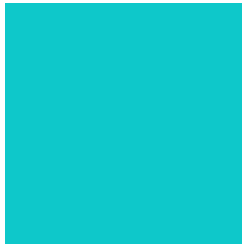
22.3733, 10.7599, 36.0139



1.1559, 0.5558, 1.8668

Previews

White Background



This preview shows how the XYZ color 31.4960, 45.6662, 63.0316 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 31.4960, 45.6662, 63.0316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

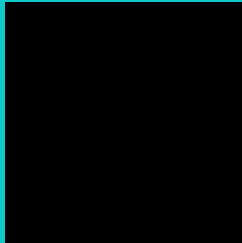
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

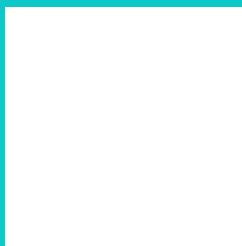
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4960, 45.6662, 63.0316

Background



This preview shows how black text looks on a background with the XYZ color 31.4960, 45.6662, 63.0316.



This preview shows how white text looks on a background with the XYZ color 31.4960, 45.6662,

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

31.4960, 45.6662, 63.0316

Protanopia

43.5879, 45.0553, 53.9762

Deuteranopia

45.8126, 44.7713, 65.9016



Tritanopia

33.0592, 45.6183, 70.6811

Trichromacy



Original Color

31.4960, 45.6662, 63.0316



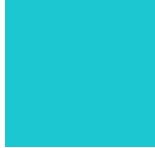
Protanomaly

34.7923, 42.8900, 56.8969



Deuteranomaly

35.9592, 42.3882, 64.6790



Tritanomaly

32.5352, 45.7469, 68.0880

Monochromacy



Original Color

31.4960, 45.6662, 63.0316



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

25.2678, 32.2048, 40.9608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4960, 45.6662, 63.0316 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(14, 200, 202)` looks like.

```
.text, #text, p{  
    color:rgb(14, 200, 202)  
}
```

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(14, 200, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 200, 202) }
```

Border

The CSS property to change the border of an element to XYZ 31.4960, 45.6662, 63.0316 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(14, 200, 202) }
```


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

```
.border{ border-color:rgb(14, 200, 202) }
```

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

Here you see how a box with a 4 pixel rgb(14, 200, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 200, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 200, 202);  
box-shadow:4px 4px 4px 4px rgb(14, 200,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4960, 45.6662, 63.0316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 200, 202) }
```

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

```
.background{ background-color: rgb(14, 200,  
202) }
```

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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