

Converting Colors

XYZ(31.8991, 44.6760, 60.9140)

Have a look what the booklet for
XYZ(31.8991, 44.6760, 60.9140)
contains.

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Color

**XYZ(31.8524, 44.5332,
60.9498)**

Conversions

Conversions Part 1

Format	Color
Hex	3BC4C7
RGB	59, 196, 199
RGB Percent	23%, 77%, 78%
CMY	0.7686, 0.2314, 0.2196
CMYK	0.70, 0.02, 0.00, 0.22
HSL	181°, 56%, 51%
HSV	181°, 70%, 78%
XYZ	31.8524, 44.5332, 60.9498
YIQ	155.3790, -82.6150, -28.1110

Conversions

Conversions Part 2

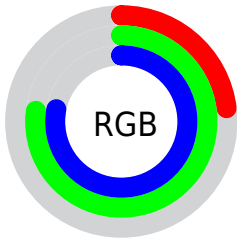
Format	Color
RYB	59, 128, 199
Decimal	3916999
CIELab	72.58, -34.53, -12.10
CIElCh	73, 36.584, 199.312
Yxy	44.5332, 0.2319, 0.3243
Android (android.graphics.Color)	4282107079 (0xFF3BC4C7)
YUV	155.3790, 21.5052, -84.5244
Hunter-Lab	66.7332, -31.5833, -7.4384

Details

The XYZ color **31.8524, 44.5332, 60.9498** 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 **26.0663, 15.9043, 5.8350**, and the grayscale version is **31.2593, 32.8872, 35.8141**.

A 20% lighter version of the original color is **61.7795, 81.9062, 107.1611**, and **14.7838, 21.3903, 30.1376** is the 20% darker color. If you saturate the color by 10%, you get **30.7944, 43.8462, 60.8738**, and if you desaturate by 10%, it is **33.3628, 45.4557, 61.0491**.

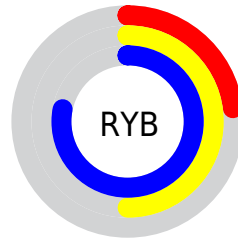
Distribution



Red (23%)

Green (77%)

Blue (78%)



Red (23%)

Yellow (50%)

Blue (78%)

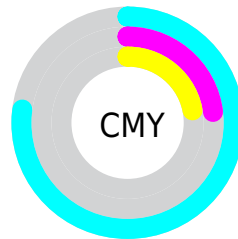


Cyan (70%)

Magenta (2%)

Yellow (0%)

Black (22%)



Cyan (77%)


Magenta (23%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8524, 44.5332, 60.9498 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 31.8524, 44.5332, 60.9498 by changing the saturation by 10% instead.


 31.8524, 44.5332,
60.9498


 31.8524, 44.5332,
60.9498


302.2036,
364.8797, 445.9914


 21.4038, 31.0899,
43.7544


 61.9464, 82.0195,
107.7631


 13.5336, 20.6673,
30.1417

 82.3225, 106.8313,
138.2180


 7.8765, 12.8810,
19.6932

 106.7384,
136.2013, 173.9298

 4.0672, 7.3467,
11.9904

 135.5596,
170.5141, 215.3171

 1.7402, 3.6798,
6.6146

 169.1513,
210.1539, 262.7983

 0.4812, 1.4961,
3.1475

207.8790,

 0.0000, 0.2860,

255.5052, 316.7921

1.1704

252.1080,
306.9523, 377.7169

■ 0.0000, 0.0000,
0.0000

■ 31.8524, 44.5332,
60.9498

■ 31.8524, 44.5332,
60.9498

■ 30.7944, 43.8462,
60.8738

■ 33.3628, 45.4557,
61.0491

■ 30.1305, 43.3618,
60.8153

■ 35.3672, 46.6324,
61.1706

■ 29.7656, 43.0370,
60.7718

■ 37.9072, 48.0856,
61.3172

■ 41.0188, 49.8338,
61.4906

■ 44.7348, 51.8940,
61.6924

■ 49.0858, 54.2820,
61.9240

■ 54.0999, 57.0122,
62.1867

■ 59.8040, 60.0986,
62.4818

■ 66.2231, 63.5539,
62.8104

Harmonies

Analogous

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



31.4622, 44.5332, 42.3099



31.8524, 44.5332, 60.9498



34.8808, 44.5332, 80.0003

Triad

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



31.8524, 44.5332, 60.9498



52.2396, 44.5332, 74.9373



44.6241, 44.5332, 21.6762

Complementary

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



31.8524, 44.5332, 60.9498



26.0663, 15.9043, 5.8350

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.



50.7651, 44.5332, 26.5759



31.8524, 44.5332, 60.9498



55.4440, 44.5332, 55.2424

Square

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



31.8524, 44.5332, 60.9498



46.4801, 44.5332, 89.3663



54.8790, 44.5332, 37.8542



38.4299, 44.5332, 22.4789

Rectangle

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



31.8524, 44.5332, 60.9498



38.1732, 44.5332, 88.9371



54.8790, 44.5332, 37.8542



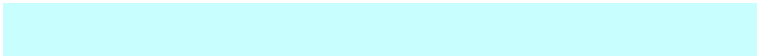
46.7727, 44.5332, 22.6506

Sweetspot

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



31.8538, 44.5349, 60.9509



77.6537, 90.4904, 107.9813



23.0795, 42.1182, 11.3767



16.2137, 19.1435, 23.0905



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.



31.8538, 44.5349, 60.9509



53.2703, 76.3150, 106.5304



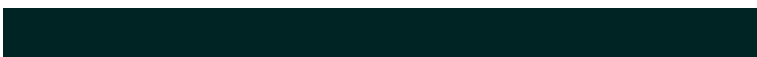
19.6603, 20.1479, 56.8864



10.9265, 12.0271, 13.6631



19.1484, 27.6908, 39.0800



0.9130, 1.3238, 1.8525

Inverse Universe

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



35.0821, 19.2569, 54.0942



59.3461, 29.7601, 93.3981



32.5051, 28.7819, 7.9812



11.0729, 10.8126, 13.3673



21.4646, 10.3354, 33.9860



1.0195, 0.4907, 1.6261

Previews

White Background



This preview shows how the XYZ color 31.8524, 44.5332, 60.9498 looks on a white background.

Color Contrast Check

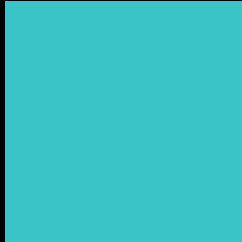
Large Text (above 18pt) WCAG AA × Fail

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 31.8524, 44.5332, 60.9498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

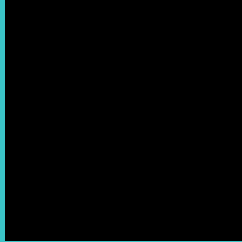
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

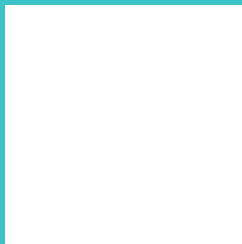
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8524, 44.5332, 60.9498

Background



This preview shows how black text looks on a background with the XYZ color 31.8524, 44.5332, 60.9498.

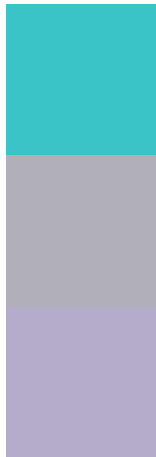


This preview shows how white text looks on a background with the XYZ color 31.8524, 44.5332,

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

31.8524, 44.5332, 60.9498

Protanopia

42.5197, 43.9430, 52.6952

Deuteranopia

44.7077, 43.6884, 63.2031



Tritanopia

33.1714, 44.3950, 67.7935

Trichromacy



Original Color

31.8524, 44.5332, 60.9498



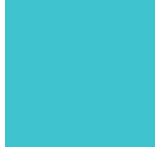
Protanomaly

36.1690, 42.6969, 55.6252



Deuteranomaly

37.5011, 42.6304, 62.1291



Tritanomaly

32.7056, 44.5432, 65.2665

Monochromacy



Original Color

31.8524, 44.5332, 60.9498



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.4711, 35.6828, 43.8623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8524, 44.5332, 60.9498 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(59, 196, 199)` looks like.

```
.text, #text, p{  
    color:rgb(59, 196, 199)  
}
```

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(59, 196, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 196, 199) }
```

Border

The CSS property to change the border of an element to XYZ 31.8524, 44.5332, 60.9498 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(59, 196, 199) }
```


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

```
.border{ border-color:rgb(59, 196, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 196, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 196, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 196, 199);  
box-shadow:4px 4px 4px 4px rgb(59, 196,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8524, 44.5332, 60.9498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 196, 199) }
```

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

```
.background{ background-color: rgb(59, 196,  
199) }
```

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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