

Converting Colors

XYZ(31.9271, 44.8024, 61.7346)

Have a look what the booklet for
XYZ(31.9271, 44.8024, 61.7346)
contains.

XYZ(31.9671, 44.9149, 61.6282)	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(31.9671, 44.9149,
61.6282)**

Conversions

Conversions Part 1

Format	Color
Hex	37C5C8
RGB	55, 197, 200
RGB Percent	22%, 77%, 78%
CMY	0.7843, 0.2274, 0.2157
CMYK	0.72, 0.01, 0.00, 0.22
HSL	181°, 57%, 50%
HSV	181°, 72%, 78%
XYZ	31.9671, 44.9149, 61.6282
YIQ	154.8840, -85.5950, -29.1710

Conversions

Conversions Part 2

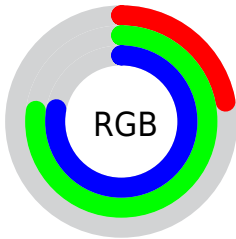
Format	Color
R _{YB}	55, 127, 200
Decimal	3655112
CIE Lab	72.84, -35.20, -12.27
CIE LCh	73, 37.275, 199.224
Yxy	44.9149, 0.2308, 0.3243
Android (android.graphics.Color)	4281845192 (0xFF37C5C8)
YUV	154.8840, 22.2422, -87.5983
Hunter-Lab	67.0186, -32.1400, -7.6082

Details

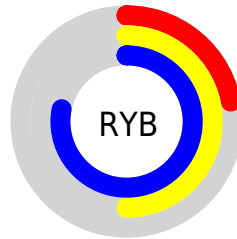
The XYZ color **31.9671, 44.9149, 61.6282** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **26.0230, 15.5823, 5.2516**, and the grayscale version is **31.0380, 32.6544, 35.5607**.

A 20% lighter version of the original color is **61.8040, 82.3887, 107.2529**, and **15.0108, 21.7202, 30.5954** is the 20% darker color. If you saturate the color by 10%, you get **30.9921, 44.2740, 61.5567**, and if you desaturate by 10%, it is **33.3888, 45.7884, 61.7227**.

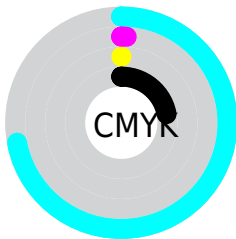
Distribution



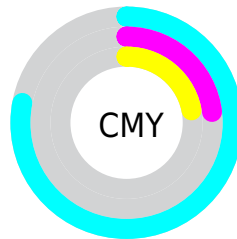
- Red (22%)
- Green (77%)
- Blue (78%)



- Red (22%)
- Yellow (50%)
- Blue (78%)



- Cyan (72%)
- Magenta (1%)
- Yellow (0%)
- Black (22%)



- Cyan (78%)
- Magenta (23%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9671, 44.9149, 61.6282 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 31.9671, 44.9149, 61.6282 by changing the saturation by 10% instead.

31.9671, 44.9149,
61.6282

31.9671, 44.9149,
61.6282

302.7173,
366.4288, 448.5438

21.4918, 31.3904,
44.2985

62.1251, 82.5927,
108.7544

13.5985, 20.8963,
30.5663

82.5384, 107.5148,
139.3879

7.9218, 13.0482,
20.0132

106.9952,
137.0049, 175.2932

4.0963, 7.4618,
12.2204

135.8607,
171.4473, 216.8886

1.7568, 3.7525,
6.7696

169.5003,
211.2265, 264.5929

0.4914, 1.5361,
3.2422

208.2794,

0.0000, 0.3139,

256.7269, 318.8245

1.2196

252.5632,
308.3329, 380.0019

■ 0.0000, 0.0000,
0.0000

■ 31.9671, 44.9149,
61.6282

■ 31.9671, 44.9149,
61.6282

■ 30.9921, 44.2740,
61.5567

■ 33.3888, 45.7884,
61.7227

■ 30.4023, 43.8311,
61.5023

■ 35.3010, 46.9142,
61.8392

■ 30.1351, 43.5894,
61.4697

■ 37.7468, 48.3154,
61.9808

■ 40.7633, 50.0112,
62.1491

■ 44.3846, 52.0192,
62.3458

■ 48.6419, 54.3554,
62.5724

■ 53.5643, 57.0350,
62.8301

■ 59.1792, 60.0718,
63.1204

■ 65.5123, 63.4794,
63.4443

Harmonies

Analogous

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



31.5767, 44.9149, 42.5279



31.9671, 44.9149, 61.6282



35.0545, 44.9149, 81.2323

Triad

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



31.9671, 44.9149, 61.6282



52.8444, 44.9149, 76.1269



45.0640, 44.9149, 21.5465

Complementary

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



31.9671, 44.9149, 61.6282



26.0230, 15.5823, 5.2516

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.



51.3614, 44.9149, 26.5431



31.9671, 44.9149, 61.6282



56.1462, 44.9149, 55.8890

Square

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



31.9671, 44.9149, 61.6282



46.9282, 44.9149, 90.9599



55.5776, 44.9149, 38.0653



38.7155, 44.9149, 22.3443

Rectangle

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



31.9671, 44.9149, 61.6282



38.4188, 44.9149, 90.4605



55.5776, 44.9149, 38.0653



47.2671, 44.9149, 22.5412

Sweetspot

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



31.9685, 44.9166, 61.6293



76.9677, 90.1305, 107.9480



22.9798, 42.4213, 10.9037



16.0809, 19.0745, 23.0841



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.



31.9685, 44.9166, 61.6293



52.9959, 76.1736, 106.5175



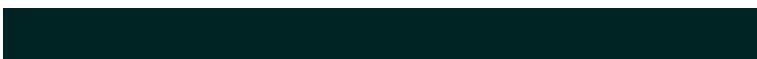
19.3463, 19.6723, 57.4219



10.9272, 12.0285, 13.6633



19.1693, 27.7326, 39.0870



0.9138, 1.3254, 1.8528

Inverse Universe

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



35.2648, 19.0441, 54.6424



59.1081, 29.2841, 93.3190



32.4818, 28.4999, 7.4046



11.0733, 10.8127, 13.3692



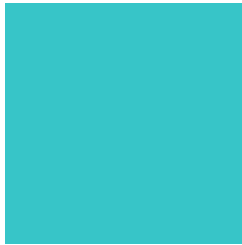
21.4751, 10.3396, 34.0415



1.0199, 0.4908, 1.6281

Previews

White Background



This preview shows how the XYZ color 31.9671, 44.9149, 61.6282 looks on a white background.

Color Contrast Check

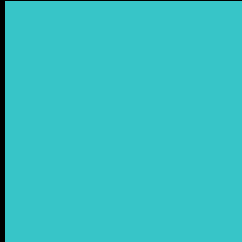
Large Text (above 18pt) WCAG AA × Fail

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 31.9671, 44.9149, 61.6282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

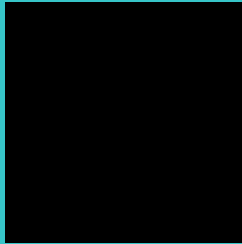
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

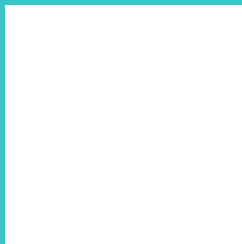
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9671, 44.9149, 61.6282

Background



This preview shows how black text looks on a background with the XYZ color 31.9671, 44.9149, 61.6282.



This preview shows how white text looks on a background with the XYZ color 31.9671, 44.9149,

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

31.9671, 44.9149, 61.6282

Protanopia

42.8551, 44.1035, 53.2678

Deuteranopia

45.0191, 44.1187, 63.9006



Tritanopia

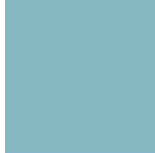
33.2596, 44.7575, 68.5141

Trichromacy



Original Color

31.9671, 44.9149, 61.6282



Protanomaly

36.3278, 43.0733, 56.2685



Deuteranomaly

37.4991, 42.9186, 62.8076



Tritanomaly

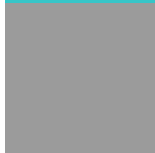
32.8060, 44.9147, 65.9718

Monochromacy



Original Color

31.9671, 44.9149, 61.6282



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.3332, 35.6117, 43.8558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9671, 44.9149, 61.6282 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(55, 197, 200)` looks like.

```
.text, #text, p{  
    color:rgb(55, 197, 200)  
}
```

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(55, 197, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 197, 200) }
```

Border

The CSS property to change the border of an element to XYZ 31.9671, 44.9149, 61.6282 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(55, 197, 200) }
```


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

```
.border{ border-color:rgb(55, 197, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 197, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 197, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 197, 200);  
box-shadow:4px 4px 4px 4px rgb(55, 197,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9671, 44.9149, 61.6282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 197, 200) }
```

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

```
.background{ background-color: rgb(55, 197,  
200) }
```

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