

Converting Colors

XYZ(31.1038, 41.1196, 60.2703)

Have a look what the booklet for
XYZ(31.1038, 41.1196, 60.2703)
contains.

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Color

**XYZ(31.2210, 41.2839,
60.3559)**

Conversions

Conversions Part 1

Format	Color
Hex	4EBBC7
RGB	78, 187, 199
RGB Percent	31%, 73%, 78%
CMY	0.6941, 0.2667, 0.2196
CMYK	0.61, 0.06, 0.00, 0.22
HSL	186°, 52%, 54%
HSV	186°, 61%, 78%
XYZ	31.2210, 41.2839, 60.3559
YIQ	155.7770, -68.8160, -19.3760

Conversions

Conversions Part 2

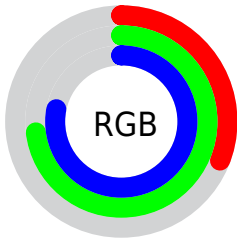
Format	Color
RYB	78, 135, 199
Decimal	5159879
CIELab	70.37, -27.31, -15.37
CIELCh	70, 31.342, 209.369
Yxy	41.2839, 0.2350, 0.3107
Android (android.graphics.Color)	4283349959 (0xFF4EBBC7)
YUV	155.7770, 21.3089, -68.2104
Hunter-Lab	64.2525, -25.7069, -10.7175

Details

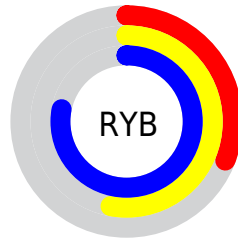
The XYZ color **31.2210, 41.2839, 60.3559** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **28.5854, 20.0055, 9.5637**, and the grayscale version is **31.4319, 33.0688, 36.0120**.

A 20% lighter version of the original color is **60.7481, 76.8102, 106.2318**, and **13.4984, 18.8194, 29.7091** is the 20% darker color. If you saturate the color by 10%, you get **29.4152, 39.7366, 60.1532**, and if you desaturate by 10%, it is **33.5283, 43.1000, 60.5856**.

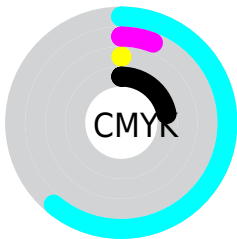
Distribution



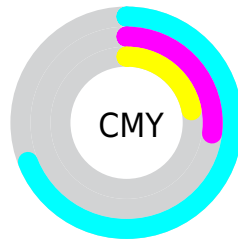
- Red (31%)
- Green (73%)
- Blue (78%)



- Red (31%)
- Yellow (53%)
- Blue (78%)



- Cyan (61%)
- Magenta (6%)
- Yellow (0%)
- Black (22%)



- Cyan (69%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2210, 41.2839, 60.3559 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 31.2210, 41.2839, 60.3559 by changing the saturation by 10% instead.

31.2210, 41.2839,
60.3559

31.2210, 41.2839,
60.3559

299.3639,
351.5058, 443.7494

20.9198, 28.5410,
43.2784

60.9613, 77.1147,
106.8942

13.1775, 18.7339,
29.7706

81.1312, 100.9713,
137.1921

7.6288, 11.4781,
19.4140

105.3214,
129.3013, 172.7338

3.9081, 6.3894,
11.7899

133.8972,
162.4891, 213.9379

1.6503, 3.0833,
6.4800

167.2240,
200.9191, 261.2230

0.4248, 1.1754,
3.0656

205.6671,

0.0000, 0.0414,

244.9756, 315.0076

1.1282

249.5920,
295.0430, 375.7102

■ 0.0000, 0.0000,
0.0000

■ 31.2210, 41.2839,
60.3559

■ 31.2210, 41.2839,
60.3559

■ 29.4152, 39.7366,
60.1532

■ 33.5283, 43.1000,
60.5856

■ 28.0610, 38.4298,
59.9723

■ 36.3737, 45.2012,
60.8412

■ 27.1049, 37.3366,
59.8117

■ 39.7946, 47.6077,
61.1254

■ 26.4828, 36.4712,
59.6774

■ 43.8241, 50.3366,
61.4398

■ 48.4927, 53.4037,
61.7857

■ 53.8289, 56.8236,
62.1645

■ 59.8594, 60.6101,
62.5776

■ 66.6095, 64.7764,
63.0260

■ 73.3237, 68.9330,
63.4744

Harmonies

Analogous

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



30.1407, 41.2839, 44.6391



31.2210, 41.2839, 60.3559



34.4034, 41.2839, 74.0611

Triad

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



31.2210, 41.2839, 60.3559



48.3987, 41.2839, 61.0176



39.3484, 41.2839, 22.1253

Complementary

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



31.2210, 41.2839, 60.3559



28.5854, 20.0055, 9.5637

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.



44.5079, 41.2839, 24.6859



31.2210, 41.2839, 60.3559



50.0058, 41.2839, 45.2646

Square

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



31.2210, 41.2839, 60.3559



44.3025, 41.2839, 74.4983



48.5244, 41.2839, 32.4196



34.5770, 41.2839, 24.4767

Rectangle

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



31.2210, 41.2839, 60.3559



37.4391, 41.2839, 79.0123



48.5244, 41.2839, 32.4196



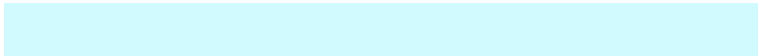
41.0959, 41.2839, 22.4293

Sweetspot

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



31.2223, 41.2855, 60.3569



78.6979, 89.4401, 107.7236



25.3312, 43.1734, 16.2500



16.3564, 18.8195, 23.0204



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.



31.2223, 41.2855, 60.3569



50.6450, 68.7826, 105.2148



21.2255, 21.2918, 57.0246



10.8534, 11.8808, 13.6387



17.0651, 23.5241, 38.3855



0.8347, 1.1672, 1.8264

Inverse Universe

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



35.2483, 21.1799, 49.2457



58.5780, 31.5854, 82.7787



35.6110, 34.0567, 11.9055



11.0360, 10.7978, 13.1730



20.4130, 9.9148, 28.4485



0.9800, 0.4748, 1.4179

Previews

White Background



This preview shows how the XYZ color 31.2210, 41.2839, 60.3559 looks on a white background.

Color Contrast Check

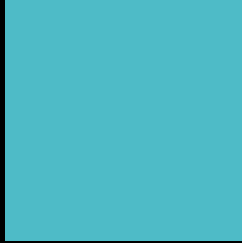
Large Text (above 18pt) WCAG AA × Fail

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 31.2210, 41.2839, 60.3559 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

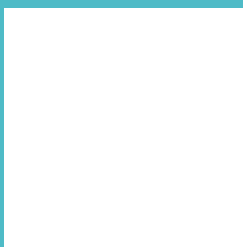
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2210, 41.2839, 60.3559

Background



This preview shows how black text looks on a background with the XYZ color 31.2210, 41.2839, 60.3559.



This preview shows how white text looks on a background with the XYZ color 31.2210, 41.2839,

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

31.2210, 41.2839, 60.3559

Protanopia

39.8140, 40.8153, 53.3567

Deuteranopia

41.6115, 40.7199, 62.1665



Tritanopia

31.6554, 41.4672, 62.2127

Trichromacy



Original Color

31.2210, 41.2839, 60.3559

Protanomaly

35.1931, 40.0907, 55.7526

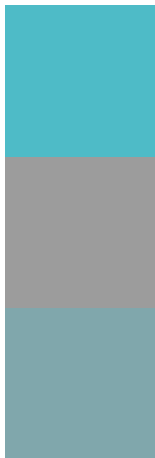
Deuteranomaly

36.2780, 39.9396, 61.6742

Tritanomaly

31.5374, 41.4200, 61.5910

Monochromacy



Original Color

31.2210, 41.2839, 60.3559

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.1672, 35.2052, 44.2350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2210, 41.2839, 60.3559 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(78, 187, 199)` looks like.

```
.text, #text, p{  
  color:rgb(78, 187, 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(78, 187, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 187, 199) }
```

Border

The CSS property to change the border of an element to XYZ 31.2210, 41.2839, 60.3559 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(78, 187, 199) }
```


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

```
.border{ border-color:rgb(78, 187, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 187, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 187, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 187, 199);  
box-shadow:4px 4px 4px 4px rgb(78, 187,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2210, 41.2839, 60.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 187, 199) }
```

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

```
.background{ background-color: rgb(78, 187,  
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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