

Converting Colors

XYZ(31.2341, 44.3404, 57.5703)

Have a look what the booklet for
XYZ(31.2341, 44.3404, 57.5703)
contains.

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Color

**XYZ(31.1692, 44.2599,
57.3523)**

Conversions

Conversions Part 1

Format	Color
Hex	3BC4C1
RGB	59, 196, 193
RGB Percent	23%, 77%, 76%
CMY	0.7686, 0.2314, 0.2431
CMYK	0.70, 0.00, 0.02, 0.23
HSL	179°, 54%, 50%
HSV	179°, 70%, 77%
XYZ	31.1692, 44.2599, 57.3523
YIQ	154.6950, -80.6890, -29.9770

Conversions

Conversions Part 2

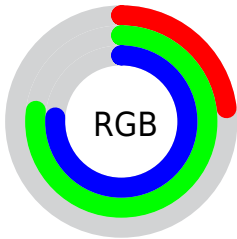
Format	Color
RYB	59, 128, 196
Decimal	3916993
CIELab	72.40, -36.24, -9.10
CIELCh	72, 37.369, 194.099
Yxy	44.2599, 0.2347, 0.3333
Android (android.graphics.Color)	4282107073 (0xFF3BC4C1)
YUV	154.6950, 18.8844, -83.9245
Hunter-Lab	66.5281, -32.7949, -4.5428

Details

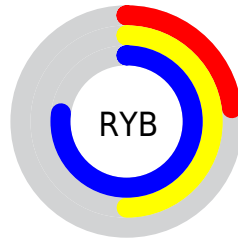
The XYZ color **31.1692, 44.2599, 57.3523** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.1999, 15.2129, 6.1671**, and the grayscale version is **30.9674, 32.5801, 35.4797**.

A 20% lighter version of the original color is **60.8283, 81.5257, 102.1526**, and **14.4066, 21.2395, 28.1513** is the 20% darker color. If you saturate the color by 10%, you get **30.1708, 43.7517, 57.0568**, and if you desaturate by 10%, it is **32.6064, 44.9962, 57.6710**.

Distribution



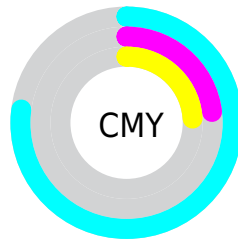
- Red (23%)
- Green (77%)
- Blue (76%)



- Red (23%)
- Yellow (50%)
- Blue (77%)



- Cyan (70%)
- Magenta (0%)
- Yellow (2%)
- Black (23%)





- Cyan (77%)
- Magenta (23%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1692, 44.2599, 57.3523 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 31.1692, 44.2599, 57.3523 by changing the saturation by 10% instead.


 31.1692, 44.2599,
57.3523


 31.1692, 44.2599,
57.3523


299.1300,
363.7678, 432.2988


 20.8802, 30.8749,
40.8769


 60.8804, 81.6087,
102.4845

 13.1484, 20.5036,
27.9039


 81.0333, 106.3412,
131.9784

 7.6085, 12.7616,
18.0149


 105.2048,
135.6251, 166.6488

 3.8952, 7.2646,
10.7911

 133.7604,
169.8447, 206.9144

 1.6430, 3.6281,
5.8141

 167.0654,
209.3843, 253.1937

 0.4202, 1.4678,
2.6654

205.4850,

 0.0000, 0.2659,

254.6285, 305.9051

0.9260

249.3848,
305.9615, 365.4673

■ 0.0000, 0.0000,
0.0000

■ 31.1692, 44.2599,
57.3523

■ 31.1692, 44.2599,
57.3523

■ 30.1708, 43.7517,
57.0568

■ 32.6064, 44.9962,
57.6710

■ 29.5554, 43.4400,
56.7790

■ 34.5221, 45.9783,
58.0119

■ 29.2258, 43.2756,
56.5153

■ 36.9561, 47.2275,
58.3777

■ 29.2227, 43.2740,
56.5125

■ 39.9430, 48.7617,
58.7702

■ 43.5143, 50.5972,
59.1907

■ 47.6992, 52.7489,
59.6406

■ 52.5250, 55.2311,
60.1213

■ 58.0173, 58.0568,
60.6339

■ 64.2002, 61.2385,
61.1796

Harmonies

Analogous

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



31.2518, 44.2599, 39.1178



31.1692, 44.2599, 57.3523



33.7907, 44.2599, 77.3070

Triad

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



31.1692, 44.2599, 57.3523



51.2821, 44.2599, 78.3921



45.5506, 44.2599, 21.5078

Complementary

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



31.1692, 44.2599, 57.3523



25.1999, 15.2129, 6.1671

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.



51.5967, 44.2599, 27.4935



31.1692, 44.2599, 57.3523



55.1291, 44.2599, 58.5699

Square

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



31.1692, 44.2599, 57.3523



45.1553, 44.2599, 91.3934



55.2498, 44.2599, 40.0622



39.1241, 44.2599, 21.3397

Rectangle

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



31.1692, 44.2599, 57.3523



36.8896, 44.2599, 87.6271



55.2498, 44.2599, 40.0622



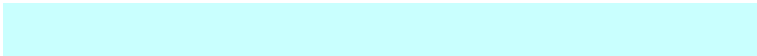
47.7091, 44.2599, 22.8209

Sweetspot

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



31.1705, 44.2616, 57.3534



77.8302, 91.1446, 107.1111



22.6171, 40.8728, 10.8360



16.2565, 19.3019, 22.8798



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.



31.1705, 44.2616, 57.3534



53.9700, 78.9087, 103.0813



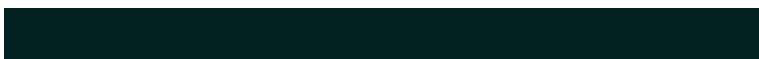
20.0293, 21.4379, 55.3086



10.3587, 11.4245, 12.8923



18.7807, 27.8063, 36.3339



0.8145, 1.2027, 1.5861

Inverse Universe

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



25.1999, 15.2129, 6.1671



42.5092, 23.0254, 4.7366



30.6308, 26.2029, 7.5821



10.0819, 10.0814, 10.5221



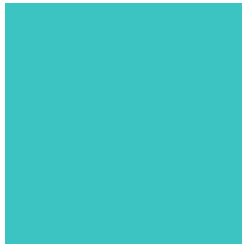
14.6468, 7.5485, 0.7861



0.6360, 0.3274, 0.0505

Previews

White Background



This preview shows how the XYZ color 31.1692, 44.2599, 57.3523 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 31.1692, 44.2599, 57.3523 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

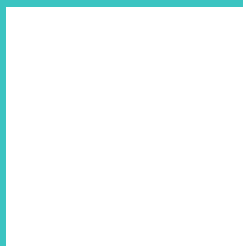
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1692, 44.2599, 57.3523

Background



This preview shows how black text looks on a background with the XYZ color 31.1692, 44.2599, 57.3523.

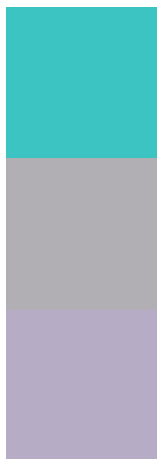


This preview shows how white text looks on a background with the XYZ color 31.1692, 44.2599,

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**

31.1692, 44.2599, 57.3523

Protanopia

41.9283, 43.4202, 49.3511

Deuteranopia

44.4740, 43.6495, 59.5073



Tritanopia

33.1843, 44.4160, 67.1457

Trichromacy



Original Color

31.1692, 44.2599, 57.3523



Protanomaly

35.6821, 42.5207, 52.2256



Deuteranomaly

36.9689, 42.4365, 58.4672



Tritanomaly

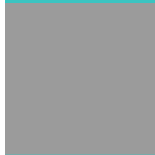
32.4746, 44.4658, 63.3711

Monochromacy



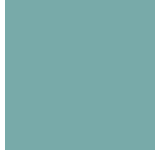
Original Color

31.1692, 44.2599, 57.3523



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.2819, 35.6071, 42.8657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1692, 44.2599, 57.3523 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(59, 196, 193)  
}
```

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, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 196, 193) }
```

Border

The CSS property to change the border of an element to XYZ 31.1692, 44.2599, 57.3523 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, 193) }
```


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

```
.border{ border-color:rgb(59, 196, 193) }
```

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, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 196, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 196, 193);  
box-shadow:4px 4px 4px 4px rgb(59, 196,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1692, 44.2599, 57.3523 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, 193) }
```

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

```
.background{ background-color: rgb(59, 196,  
193) }
```

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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