

Converting Colors

XYZ(29.7127, 41.4994, 39.9042)

Have a look what the booklet for
XYZ(29.7127, 41.4994, 39.9042)
contains.

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Color

**XYZ(29.6883, 41.5859,
39.7198)**

Conversions

Conversions Part 1

Format	Color
Hex	63BDA0
RGB	99, 189, 160
RGB Percent	39%, 74%, 63%
CMY	0.6118, 0.2588, 0.3725
CMYK	0.48, 0.00, 0.15, 0.26
HSL	161°, 41%, 56%
HSV	161°, 48%, 74%
XYZ	29.6883, 41.5859, 39.7198
YIQ	158.7840, -44.3310, -28.0990

Conversions

Conversions Part 2

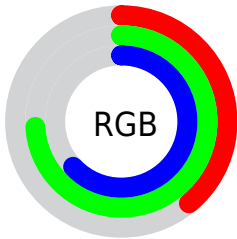
Format	Color
RYB	99, 153, 189
Decimal	6536608
CIELab	70.58, -33.96, 6.38
CIElCh	71, 34.554, 169.361
Yxy	41.5859, 0.2675, 0.3747
Android (android.graphics.Color)	4284726688 (0xFF63BDA0)
YUV	158.7840, 0.5995, -52.4306
Hunter-Lab	64.4871, -30.6754, 8.6223

Details

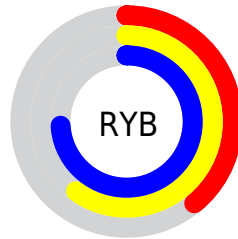
The XYZ color **29.6883, 41.5859, 39.7198** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **29.3457, 21.3020, 22.9885**, and the grayscale version is **32.8687, 34.5805, 37.6581**.

A 20% lighter version of the original color is **58.7391, 77.7864, 76.2084**, and **12.3387, 18.9035, 17.4664** is the 20% darker color. If you saturate the color by 10%, you get **27.3405, 40.4367, 36.8971**, and if you desaturate by 10%, it is **32.5477, 42.9980, 42.7046**.

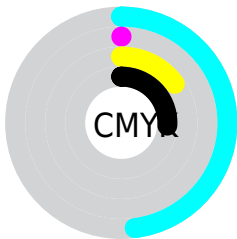
Distribution



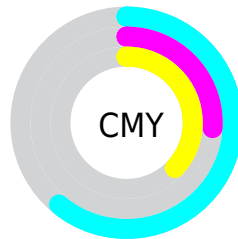
- Red (39%)
- Green (74%)
- Blue (63%)



- Red (39%)
- Yellow (60%)
- Blue (74%)



- Cyan (48%)
- Magenta (0%)
- Yellow (15%)
- Black (26%)



- Cyan (61%)
- Magenta (26%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6883, 41.5859, 39.7198 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 29.6883, 41.5859, 39.7198 by changing the saturation by 10% instead.

■ 29.6883, 41.5859,
39.7198

■ 29.6883, 41.5859,
39.7198

292.3848,
352.7635, 360.4581

■ 19.7490, 28.7772,
27.0080

■ 58.5589, 77.5725,
75.9691

■ 12.3199, 18.9123,
17.3468

■ 78.2209, 101.5192,
100.3436

■ 7.0357, 11.6069,
10.3175

■ 101.8546,
129.9473, 129.4429

■ 3.5310, 6.4766,
5.5016

■ 129.8253,
163.2413, 163.6853

■ 1.4404, 3.1370,
2.4806

162.4983,
201.7855, 203.4895

■ 0.2847, 1.2037,
0.8299

200.2389,

■ 0.0000, 0.0647,

245.9643, 249.2740

0.0000

243.4127,
296.1622, 301.4574

■ 0.0000, 0.0000,
0.0000

■ 29.6883, 41.5859,
39.7198

■ 29.6883, 41.5859,
39.7198

■ 27.3405, 40.4367,
36.8971

■ 32.5477, 42.9980,
42.7046

■ 25.4663, 39.5276,
34.2299

■ 35.9465, 44.6840,
45.8519

■ 24.0278, 38.8402,
31.7156

■ 39.9146, 46.6603,
49.1658

■ 22.9793, 38.3509,
29.3498

■ 44.4785, 48.9408,
52.6495

■ 22.2537, 38.0253,
27.1275

■ 49.6633, 51.5381,
56.3059

■ 22.1011, 37.9578,
26.6180

■ 55.4923, 54.4642,
60.1378

■ 61.9877, 57.7307,
64.1479

■ 69.1708, 61.3484,
68.3390

■ 71.6804, 62.5535,
72.4618

Harmonies

Analogous

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



31.7668, 41.5859, 27.7341



29.6883, 41.5859, 39.7198



30.0468, 41.5859, 56.5240

Triad

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



29.6883, 41.5859, 39.7198



43.2787, 41.5859, 81.8930



47.1162, 41.5859, 25.3662

Complementary

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



29.6883, 41.5859, 39.7198



29.3457, 21.3020, 22.9885

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.



50.8150, 41.5859, 35.6357



29.6883, 41.5859, 39.7198



48.4561, 41.5859, 68.9998

Square

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



29.6883, 41.5859, 39.7198



37.5338, 41.5859, 83.7440



51.3276, 41.5859, 51.3362



41.5878, 41.5859, 20.8751

Rectangle

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



29.6883, 41.5859, 39.7198



31.6310, 41.5859, 68.2911



51.3276, 41.5859, 51.3362



48.6365, 41.5859, 28.1233

Sweetspot

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



29.6895, 41.5876, 39.7208



74.1371, 84.8896, 90.1363



29.5042, 41.9649, 18.3499



15.5768, 18.0724, 19.0974



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.6895, 41.5876, 39.7208



48.8548, 72.3656, 65.9361



29.4682, 36.6004, 53.6575



9.6742, 10.7558, 11.5339



14.9059, 25.5526, 18.0989



0.6126, 1.0124, 0.8600

Inverse Universe

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



29.3457, 21.3020, 22.9885



48.1884, 31.7429, 32.5378



29.2569, 23.7553, 14.8482



9.6535, 9.5857, 10.5643



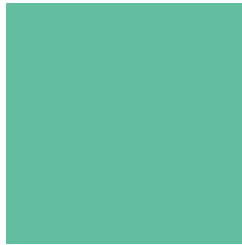
14.7166, 7.5178, 3.8012



0.6071, 0.3067, 0.3104

Previews

White Background



This preview shows how the XYZ color 29.6883, 41.5859, 39.7198 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 29.6883, 41.5859, 39.7198 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

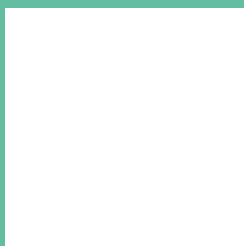
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6883, 41.5859, 39.7198

Background



This preview shows how black text looks on a background with the XYZ color 29.6883, 41.5859, 39.7198.



This preview shows how white text looks on a background with the XYZ color 29.6883, 41.5859,

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

29.6883, 41.5859, 39.7198

Protanopia

38.9712, 41.0635, 35.1502

Deuteranopia

41.9136, 41.0654, 41.3146



Tritanopia

33.7639, 41.6732, 59.6903

Trichromacy



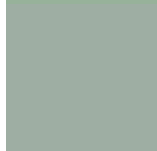
Original Color

29.6883, 41.5859, 39.7198



Protanomaly

34.5156, 40.7532, 36.6188



Deuteranomaly

35.8475, 40.1855, 40.5176



Tritanomaly

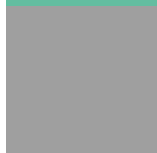
32.1545, 41.6427, 51.6905

Monochromacy



Original Color

29.6883, 41.5859, 39.7198



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

30.9493, 36.5710, 38.2286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6883, 41.5859, 39.7198 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(99, 189, 160)` looks like.

```
.text, #text, p{  
    color:rgb(99, 189, 160)  
}
```

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(99, 189, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 189, 160) }
```

Border

The CSS property to change the border of an element to XYZ 29.6883, 41.5859, 39.7198 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(99, 189, 160) }
```


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

```
.border{ border-color:rgb(99, 189, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 189, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 189, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 189, 160);  
box-shadow:4px 4px 4px 4px rgb(99, 189,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6883, 41.5859, 39.7198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 189, 160) }
```

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

```
.background{ background-color: rgb(99, 189,  
160) }
```

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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