

Converting Colors

XYZ(29.7102, 40.6310, 59.5548)

Have a look what the booklet for
XYZ(29.7102, 40.6310, 59.5548)
contains.

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Color

**XYZ(29.6507, 40.4877,
59.6782)**

Conversions

Conversions Part 1

Format	Color
Hex	39BBC6
RGB	57, 187, 198
RGB Percent	22%, 73%, 78%
CMY	0.7764, 0.2667, 0.2235
CMYK	0.71, 0.06, 0.00, 0.22
HSL	185°, 55%, 50%
HSV	185°, 71%, 78%
XYZ	29.6507, 40.4877, 59.6782
YIQ	149.3840, -81.0110, -24.1390

Conversions

Conversions Part 2

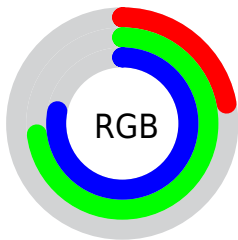
Format	Color
RYB	57, 125, 198
Decimal	3783622
CIELab	69.82, -30.79, -15.72
CIELCh	70, 34.568, 207.044
Yxy	40.4877, 0.2284, 0.3119
Android (android.graphics.Color)	4281973702 (0xFF39BBC6)
YUV	149.3840, 23.9677, -81.0208
Hunter-Lab	63.6299, -28.1738, -11.0668

Details

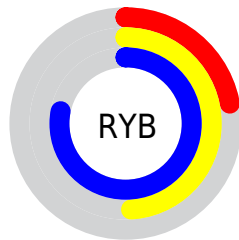
The XYZ color **29.6507, 40.4877, 59.6782** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **26.0954, 16.4366, 5.6693**, and the grayscale version is **28.6570, 30.1494, 32.8327**.

A 20% lighter version of the original color is **58.7129, 76.2065, 106.2226**, and **13.4216, 18.7887, 29.3047** is the 20% darker color. If you saturate the color by 10%, you get **28.4086, 39.3644, 59.5276**, and if you desaturate by 10%, it is **31.3388, 41.8479, 59.8525**.

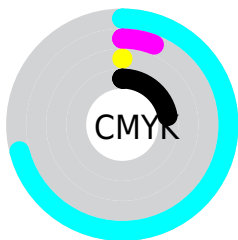
Distribution



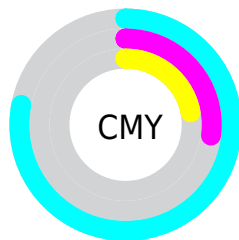
- Red (22%)
- Green (73%)
- Blue (78%)



- Red (22%)
- Yellow (49%)
- Blue (78%)



- Cyan (71%)
- Magenta (6%)
- Yellow (0%)
- Black (22%)



- Cyan (78%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6507, 40.4877, 59.6782 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 29.6507, 40.4877, 59.6782 by changing the saturation by 10% instead.

■ 29.6507, 40.4877,
59.6782

■ 29.6507, 40.4877,
59.6782

292.2120,
348.1749, 441.1823

■ 19.7204, 27.9190,
42.7357

■ 58.4998, 75.9056,
105.9015

■ 12.2990, 18.2646,
29.3479

■ 78.1492, 99.5236,
136.0194

■ 7.0213, 11.1401,
19.0963

■ 101.7691,
127.5935, 171.3662

■ 3.5219, 6.1612,
11.5624

■ 129.7247,
160.4996, 212.3604

■ 1.4354, 2.9433,
6.3276

■ 162.3815,
198.6264, 259.4206

■ 0.2812, 1.1022,
2.9733

200.1047,

■ 0.0000, 0.0000,

242.3583, 312.9652

1.0810

243.2598,
292.0797, 373.4130

■ 0.0000, 0.0000,
0.0000

■ 29.6507, 40.4877,
59.6782

■ 29.6507, 40.4877,
59.6782

■ 28.4086, 39.3644,
59.5276

■ 31.3388, 41.8479,
59.8525

■ 27.5543, 38.4453,
59.3952

■ 33.5148, 43.4640,
60.0498

■ 27.0351, 37.7612,
59.2905

■ 36.2201, 45.3582,
60.2728

■ 39.4906, 47.5491,
60.5233

■ 43.3591, 50.0535,
60.8028

■ 47.8557, 52.8871,
61.1128

■ 53.0086, 56.0643,
61.4544

■ 58.8443, 59.5989,
61.8291

■ 65.3879, 63.5037,
62.2379

Harmonies

Analogous

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



28.6820, 40.4877, 42.5098



29.6507, 40.4877, 59.6782



32.9065, 40.4877, 75.4258

Triad

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



29.6507, 40.4877, 59.6782



48.2637, 40.4877, 63.1200



39.0414, 40.4877, 19.8664

Complementary

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



29.6507, 40.4877, 59.6782



26.0954, 16.4366, 5.6693

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.



44.6550, 40.4877, 22.9080



29.6507, 40.4877, 59.6782



50.2938, 40.4877, 45.6970

Square

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



29.6507, 40.4877, 59.6782



43.5992, 40.4877, 77.7284



48.9137, 40.4877, 31.4750



33.7824, 40.4877, 21.8934

Rectangle

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



29.6507, 40.4877, 59.6782



36.1137, 40.4877, 81.5728



48.9137, 40.4877, 31.4750



40.9523, 40.4877, 20.3079

Sweetspot

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



29.6520, 40.4892, 59.6792



76.7004, 88.5836, 107.6635



22.8777, 41.6570, 12.0525



15.9833, 18.6825, 23.0136



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.



29.6520, 40.4892, 59.6792



49.4598, 68.8394, 105.2883



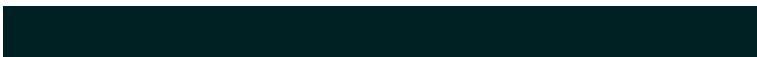
18.3720, 17.9292, 55.9192



10.8732, 11.9205, 13.6453



17.6102, 24.6142, 38.5672



0.8554, 1.2086, 1.8333

Inverse Universe

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



33.7225, 18.5211, 48.8128



57.3872, 28.8407, 83.5018



32.9599, 30.1657, 7.9575



11.0460, 10.8018, 13.2257



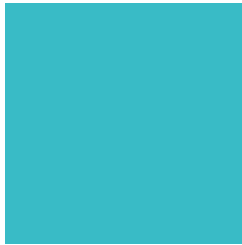
20.6881, 10.0248, 29.8972



0.9905, 0.4790, 1.4729

Previews

White Background



This preview shows how the XYZ color 29.6507, 40.4877, 59.6782 looks on a white background.

Color Contrast Check

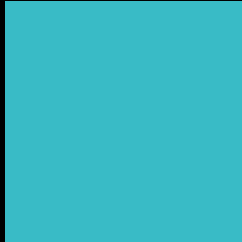
Large Text (above 18pt) WCAG AA × Fail

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 29.6507, 40.4877, 59.6782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

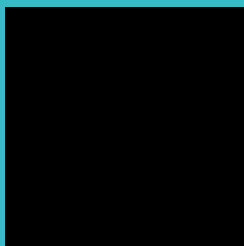
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

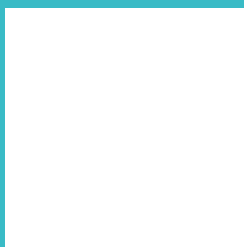
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6507, 40.4877, 59.6782

Background



This preview shows how black text looks on a background with the XYZ color 29.6507, 40.4877, 59.6782.



This preview shows how white text looks on a background with the XYZ color 29.6507, 40.4877,

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

29.6507, 40.4877, 59.6782

Protanopia

38.8019, 39.7659, 52.0849

Deuteranopia

40.7779, 40.0192, 62.0752



Tritanopia

30.0232, 40.3119, 62.0757

Trichromacy



Original Color

29.6507, 40.4877, 59.6782



Protanomaly

33.3766, 38.8897, 54.4625



Deuteranomaly

34.5808, 39.0783, 60.9786



Tritanomaly

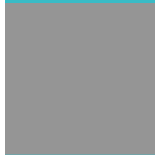
29.8464, 40.2344, 61.4513

Monochromacy



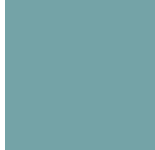
Original Color

29.6507, 40.4877, 59.6782



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

27.2747, 32.6974, 41.4329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6507, 40.4877, 59.6782 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(57, 187, 198)` looks like.

```
.text, #text, p{  
    color:rgb(57, 187, 198)  
}
```

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(57, 187, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 187, 198) }
```

Border

The CSS property to change the border of an element to XYZ 29.6507, 40.4877, 59.6782 is called "border". The border property can be set on classes, ids or directly on the HTML element.

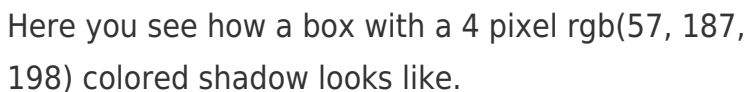
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(57, 187, 198) }
```


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

```
.border{ border-color:rgb(57, 187, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(57, 187, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(57, 187, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(57, 187, 198); box-shadow:4px 4px 4px 4px rgb(57, 187, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6507, 40.4877, 59.6782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 187, 198) }
```

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

```
.background{ background-color: rgb(57, 187,  
198) }
```

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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