

Converting Colors

XYZ(29.2844, 41.4491, 37.0134)

Have a look what the booklet for
XYZ(29.2844, 41.4491, 37.0134)
contains.

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Color

**XYZ(29.2859, 41.4376,
37.0266)**

Conversions

Conversions Part 1

Format	Color
Hex	64BD9A
RGB	100, 189, 154
RGB Percent	39%, 74%, 60%
CMY	0.6078, 0.2588, 0.3961
CMYK	0.47, 0.00, 0.19, 0.26
HSL	156°, 40%, 57%
HSV	156°, 47%, 74%
XYZ	29.2859, 41.4376, 37.0266
YIQ	158.3990, -41.8090, -29.7530

Conversions

Conversions Part 2

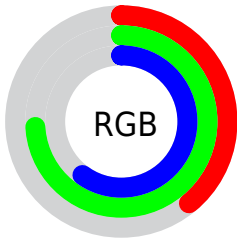
Format	Color
RYB	100, 155, 189
Decimal	6602138
CIELab	70.48, -35.06, 9.51
CIElCh	70, 36.322, 164.826
Yxy	41.4376, 0.2718, 0.3846
Android (android.graphics.Color)	4284792218 (0xFF64BD9A)
YUV	158.3990, -2.1687, -51.2159
Hunter-Lab	64.3720, -31.4429, 10.9570

Details

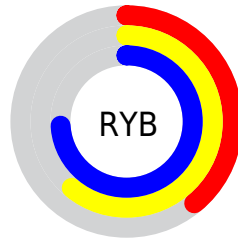
The XYZ color **29.2859, 41.4376, 37.0266** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **29.9180, 21.6835, 25.5319**, and the grayscale version is **32.7047, 34.4079, 37.4702**.

A 20% lighter version of the original color is **58.0512, 77.5335, 71.5804**, and **12.1084, 18.8208, 15.8266** is the 20% darker color. If you saturate the color by 10%, you get **26.8331, 40.2436, 33.7801**, and if you desaturate by 10%, it is **32.2642, 42.9003, 40.4996**.

Distribution



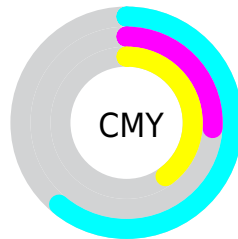
- Red (39%)
- Green (74%)
- Blue (60%)



- Red (39%)
- Yellow (61%)
- Blue (74%)



- Cyan (47%)
- Magenta (0%)
- Yellow (19%)
- Black (26%)



- Cyan (61%)
- Magenta (26%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2859, 41.4376, 37.0266 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 29.2859, 41.4376, 37.0266 by changing the saturation by 10% instead.

■ 29.2859, 41.4376,
37.0266

■ 29.2859, 41.4376,
37.0266

290.5315,
352.1462, 348.5978

■ 19.4426, 28.6612,
24.9321

■ 57.9254, 77.3477,
71.8005

■ 12.0964, 18.8247,
15.8079

■ 77.4524, 101.2502,
95.3170

■ 6.8820, 11.5436,
9.2355

■ 100.9379,
129.6302, 123.4779

■ 3.4341, 6.4338,
4.7962

■ 128.7473,
162.8721, 156.7018

■ 1.3873, 3.1106,
2.0715

161.2460,
201.3602, 195.4072

■ 0.2471, 1.1897,
0.5987

198.7994,

■ 0.0000, 0.0533,

245.4791, 240.0126

0.0000

241.7727,
295.6129, 290.9367

■ 0.0000, 0.0000,
0.0000

■ 29.2859, 41.4376,
37.0266

■ 29.2859, 41.4376,
37.0266

■ 26.8331, 40.2436,
33.7801

■ 32.2642, 42.9003,
40.4996

■ 24.8677, 39.2954,
30.7521

■ 35.7961, 44.6428,
44.2013

■ 23.3518, 38.5746,
27.9381


■ 39.9115, 46.6815,
48.1374


■ 22.2398, 38.0578,
25.3320


■ 44.6373, 49.0302,
52.3124

■ 21.4684, 37.7126,
22.9270


■ 49.9985, 51.7018,
56.7308

 21.2740, 37.6269,
22.2626

 56.0189, 54.7084,
61.3968

 62.7208, 58.0614,
66.3147

 70.1256, 61.7719,
71.4885

 72.4760, 62.8717,
76.6517

Harmonies

Analogous

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



31.8139, 41.4376, 25.5407



29.2859, 41.4376, 37.0266



29.2710, 41.4376, 54.0923

Triad

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



29.2859, 41.4376, 37.0266



42.4052, 41.4376, 85.0879



48.1280, 41.4376, 25.6378

Complementary

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



29.2859, 41.4376, 37.0266



29.9180, 21.6835, 25.5319

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.



51.5960, 41.4376, 37.1965



29.2859, 41.4376, 37.0266



48.0715, 41.4376, 72.7770

Square

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



29.2859, 41.4376, 37.0266



36.4479, 41.4376, 85.0088



51.5744, 41.4376, 54.3110



42.4762, 41.4376, 20.1913

Rectangle

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



29.2859, 41.4376, 37.0266



30.6702, 41.4376, 66.6893



51.5744, 41.4376, 54.3110



49.6121, 41.4376, 28.7867

Sweetspot

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



29.2870, 41.4393, 37.0275



73.7902, 84.7508, 88.3091



30.5877, 42.5179, 18.6520



15.4917, 18.0383, 18.6496



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.



29.2870, 41.4393, 37.0275



47.7346, 71.9175, 60.0372



30.7836, 39.0680, 54.0644



9.6453, 10.7442, 11.3817



14.3517, 25.3310, 15.1807



0.5935, 1.0048, 0.7595

Inverse Universe

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



29.9180, 21.6835, 25.5319



49.0224, 32.0765, 36.9296



28.7458, 22.6560, 14.9153



9.6814, 9.5968, 10.7111



14.9946, 7.6290, 5.2652



0.6197, 0.3118, 0.3764

Previews

White Background



This preview shows how the XYZ color 29.2859, 41.4376, 37.0266 looks on a white background.

Color Contrast Check

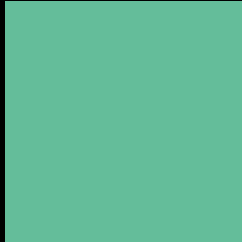
Large Text (above 18pt) WCAG AA × Fail

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 29.2859, 41.4376, 37.0266 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

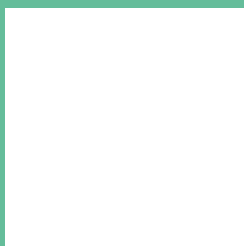
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2859, 41.4376, 37.0266

Background



This preview shows how black text looks on a background with the XYZ color 29.2859, 41.4376, 37.0266.



This preview shows how white text looks on a background with the XYZ color 29.2859, 41.4376,

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

29.2859, 41.4376, 37.0266

Protanopia

38.4961, 40.8735, 32.6485

Deuteranopia

41.4514, 40.6199, 38.4566



Tritanopia

33.8086, 41.3889, 59.6330

Trichromacy



Original Color

29.2859, 41.4376, 37.0266

Protanomaly

34.0282, 40.5582, 34.0520

Deuteranomaly

35.5199, 40.0774, 37.7619

Tritanomaly

31.9768, 41.2635, 50.5353

Monochromacy



Original Color

29.2859, 41.4376, 37.0266

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

30.5903, 36.1286, 37.2595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2859, 41.4376, 37.0266 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(100, 189, 154)` looks like.

```
.text, #text, p{  
    color:rgb(100, 189, 154)  
}
```

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(100, 189, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 189, 154) }
```

Border

The CSS property to change the border of an element to XYZ 29.2859, 41.4376, 37.0266 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(100, 189, 154) }
```


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

```
.border{ border-color:rgb(100, 189, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 189, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 189, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 189, 154);  
box-shadow:4px 4px 4px 4px rgb(100, 189,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2859, 41.4376, 37.0266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 189, 154) }
```

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

```
.background{ background-color: rgb(100,  
189, 154) }
```

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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