

Converting Colors

XYZ(28.0100, 41.4056, 37.9302)

Have a look what the booklet for
XYZ(28.0100, 41.4056, 37.9302)
contains.

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Color

**XYZ(28.0249, 41.4112,
37.9686)**

Conversions

Conversions Part 1

Format	Color
Hex	51BF9C
RGB	81, 191, 156
RGB Percent	32%, 75%, 61%
CMY	0.6823, 0.2510, 0.3882
CMYK	0.58, 0.00, 0.18, 0.25
HSL	161°, 46%, 53%
HSV	161°, 58%, 75%
XYZ	28.0249, 41.4112, 37.9686
YIQ	154.1200, -54.3250, -34.2050

Conversions

Conversions Part 2

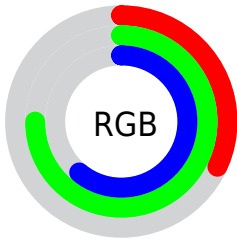
Format	Color
RYB	81, 146, 191
Decimal	5357468
CIELab	70.46, -39.89, 8.30
CIELCh	70, 40.749, 168.245
Yxy	41.4112, 0.2609, 0.3856
Android (android.graphics.Color)	4283547548 (0xFF51BF9C)
YUV	154.1200, 0.9268, -64.1262
Hunter-Lab	64.3515, -34.8790, 10.0639

Details

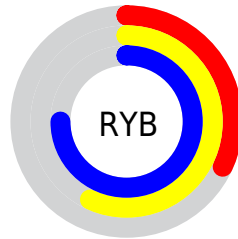
The XYZ color **28.0249, 41.4112, 37.9686** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **27.5821, 18.2233, 18.5883**, and the grayscale version is **30.7820, 32.3851, 35.2673**.

A 20% lighter version of the original color is **55.8477, 77.2769, 72.9452**, and **11.4955, 18.9112, 16.4090** is the 20% darker color. If you saturate the color by 10%, you get **26.1109, 40.4836, 35.2600**, and if you desaturate by 10%, it is **30.4272, 42.5897, 40.8363**.

Distribution



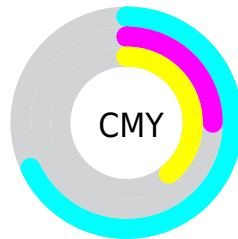
- Red (32%)
- Green (75%)
- Blue (61%)



- Red (32%)
- Yellow (57%)
- Blue (75%)



- Cyan (58%)
- Magenta (0%)
- Yellow (18%)
- Black (25%)





- Cyan (68%)
- Magenta (25%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.0249, 41.4112, 37.9686 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 28.0249, 41.4112, 37.9686 by changing the saturation by 10% instead.

 28.0249, 41.4112,
37.9686


 28.0249, 41.4112,
37.9686


284.6638,
352.0363, 352.7794


 18.4850, 28.6405,
25.6567


 55.9326, 77.3077,
73.2629


 11.4005, 18.8091,
16.3435


 75.0310, 101.2024,
97.0824

 6.4062, 11.5324,
9.6106


 98.0463, 129.5738,
125.5747

 3.1366, 6.4261,
5.0393

 125.3439,
162.8063, 159.1586

 1.2264, 3.1059,
2.2112

157.2891,
201.2845, 198.2524

 0.1271, 1.1873,
0.6808

194.2472,

 0.0000, 0.0513,

245.3926, 243.2748

0.0000

236.5837,
295.5151, 294.6443

■ 0.0000, 0.0000,
0.0000

■ 28.0249, 41.4112,
37.9686

■ 28.0249, 41.4112,
37.9686

■ 26.1109, 40.4836,
35.2600

■ 30.4272, 42.5897,
40.8363

■ 24.6418, 39.7813,
32.7038

■ 33.3498, 44.0324,
43.8639

■ 23.5719, 39.2818,
30.2968

■ 36.8261, 45.7574,
47.0556

■ 22.8328, 38.9502,
28.0338

■ 40.8854, 47.7799,
50.4146

■ 22.6760, 38.8808,
27.5085

■ 45.5549, 50.1139,
53.9440

■ 50.8603, 52.7725,
57.6468

■ 56.8256, 55.7680,
61.5258

■ 63.4736, 59.1122,
65.5837

■ 70.8259, 62.8163,
69.8233

Harmonies

Analogous

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



30.4929, 41.4112, 24.6765



28.0249, 41.4112, 37.9686



28.3276, 41.4112, 57.6850

Triad

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



28.0249, 41.4112, 37.9686



43.5422, 41.4112, 90.1116



48.5992, 41.4112, 22.7485

Complementary

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



28.0249, 41.4112, 37.9686



27.5821, 18.2233, 18.5883

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.



52.9391, 41.4112, 34.4759



28.0249, 41.4112, 37.9686



49.7985, 41.4112, 74.4677

Square

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



28.0249, 41.4112, 37.9686



36.7880, 41.4112, 91.8415



53.4014, 41.4112, 53.0499



42.0494, 41.4112, 17.7132

Rectangle

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



28.0249, 41.4112, 37.9686



30.0662, 41.4112, 72.0699



53.4014, 41.4112, 53.0499



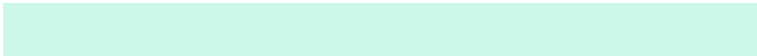
50.3955, 41.4112, 25.8555

Sweetspot

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



28.0260, 41.4128, 37.9696



73.4747, 85.6965, 90.4878



27.5433, 41.6856, 14.3798



15.7892, 18.6459, 19.5959



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



28.0260, 41.4128, 37.9696



46.0330, 72.1524, 61.9777



27.6783, 35.2719, 54.6414



9.6759, 10.7565, 11.5426



14.9397, 25.5662, 18.2770



0.6137, 1.0128, 0.8660

Inverse Universe

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



27.5821, 18.2233, 18.5883



45.2085, 26.7390, 24.2461



27.4658, 20.6586, 10.3252



9.6519, 9.5851, 10.5559



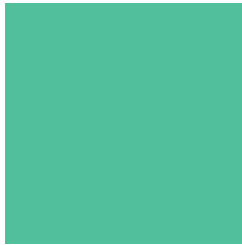
14.7026, 7.5122, 3.7275



0.6064, 0.3065, 0.3068

Previews

White Background



This preview shows how the XYZ color 28.0249, 41.4112, 37.9686 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 28.0249, 41.4112, 37.9686 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 28.0249, 41.4112, 37.9686

Background



This preview shows how black text looks on a background with the XYZ color 28.0249, 41.4112, 37.9686.



This preview shows how white text looks on a background with the XYZ color 28.0249, 41.4112,

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

28.0249, 41.4112, 37.9686

Protanopia

38.5736, 40.9044, 33.0564

Deuteranopia

41.4626, 40.5953, 39.8328



Tritanopia

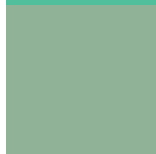
32.5982, 41.3549, 60.9078

Trichromacy



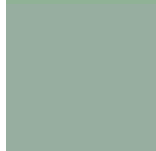
Original Color

28.0249, 41.4112, 37.9686



Protanomaly

32.9270, 39.9721, 34.8341



Deuteranomaly

34.2437, 39.3895, 39.0558



Tritanomaly

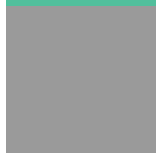
30.7364, 41.2255, 51.6847

Monochromacy



Original Color

28.0249, 41.4112, 37.9686



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

28.4875, 34.5160, 36.1712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0249, 41.4112, 37.9686 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(81, 191, 156)` looks like.

```
.text, #text, p{  
    color:rgb(81, 191, 156)  
}
```

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(81, 191, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 191, 156) }
```

Border

The CSS property to change the border of an element to XYZ 28.0249, 41.4112, 37.9686 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(81, 191, 156) }
```


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

```
.border{ border-color:rgb(81, 191, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 191, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 191, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 191, 156);  
box-shadow:4px 4px 4px 4px rgb(81, 191,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0249, 41.4112, 37.9686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 191, 156) }
```

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

```
.background{ background-color: rgb(81, 191,  
156) }
```

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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