

Converting Colors

XYZ(29.9033, 39.4797, 50.2067)

Have a look what the booklet for
XYZ(29.9033, 39.4797, 50.2067)
contains.

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Color

**XYZ(29.9931, 39.6241,
50.3234)**

Conversions

Conversions Part 1

Format	Color
Hex	5EB7B6
RGB	94, 183, 182
RGB Percent	37%, 72%, 71%
CMY	0.6314, 0.2823, 0.2863
CMYK	0.49, 0.00, 0.01, 0.28
HSL	179°, 38%, 54%
HSV	179°, 49%, 72%
XYZ	29.9931, 39.6241, 50.3234
YIQ	156.2750, -52.7230, -19.1790

Conversions

Conversions Part 2

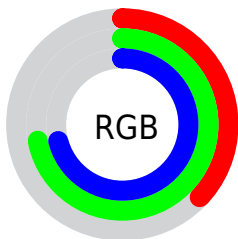
Format	Color
RYB	94, 139, 183
Decimal	6207414
CIELab	69.20, -26.84, -7.73
CIElCh	69, 27.931, 196.075
Yxy	39.6241, 0.2501, 0.3304
Android (android.graphics.Color)	4284397494 (0xFF5EB7B6)
YUV	156.2750, 12.6824, -54.6152
Hunter-Lab	62.9477, -25.1073, -3.3359

Details

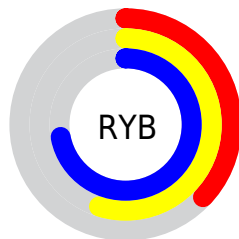
The XYZ color **29.9931, 39.6241, 50.3234** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.5981, 18.9001, 13.1268**, and the grayscale version is **31.6858, 33.3359, 36.3028**.

A 20% lighter version of the original color is **59.0616, 74.4854, 92.1532**, and **12.5102, 17.8415, 23.5533** is the 20% darker color. If you saturate the color by 10%, you get **28.3135, 38.7616, 50.1346**, and if you desaturate by 10%, it is **32.1200, 40.7190, 50.5350**.

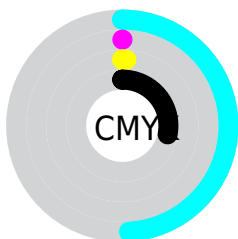
Distribution



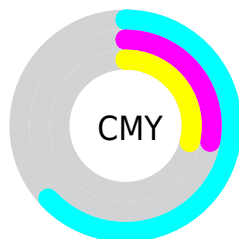
- Red (37%)
- Green (72%)
- Blue (71%)



- Red (37%)
- Yellow (55%)
- Blue (72%)



- Cyan (49%)
- Magenta (0%)
- Yellow (1%)
- Black (28%)



- Cyan (63%)
- Magenta (28%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9931, 39.6241, 50.3234 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 29.9931, 39.6241, 50.3234 by changing the saturation by 10% instead.

■ 29.9931, 39.6241,
50.3234

■ 29.9931, 39.6241,
50.3234

293.7827,
344.5367, 404.7005

■ 19.9814, 27.2456,
35.2975

■ 59.0380, 74.5908,
92.0551

■ 12.4897, 17.7577,
23.6067

■ 78.8018, 97.9477,
119.5979

■ 7.1527, 10.7762,
14.8326

■ 102.5472,
125.7329, 152.1501

■ 3.6049, 5.9166,
8.5567

■ 130.6393,
158.3308, 190.1302

■ 1.4812, 2.7944,
4.3603

163.4435,
196.1257, 233.9568

■ 0.3130, 1.0254,
1.8250

201.3253,

■ 0.0000, 0.0000,

239.5020, 284.0483

0.4444

244.6499,
288.8442, 340.8234

■ 0.0000, 0.0000,
0.0000

■ 29.9931, 39.6241,
50.3234

■ 29.9931, 39.6241,
50.3234

■ 28.3135, 38.7616,
50.1346

■ 32.1200, 40.7190,
50.5350

■ 27.0457, 38.1105,
49.9644

■ 34.7194, 42.0566,
50.7681

■ 26.1546, 37.6536,
49.8119

■ 37.8189, 43.6520,
51.0247

■ 25.5979, 37.3691,
49.6753

■ 41.4430, 45.5178,
51.3060

■ 25.3030, 37.2195,
49.5511

■ 45.6144, 47.6658,
51.6131

■ 25.2688, 37.2022,
49.5344

■ 50.3548, 50.1070,
51.9470

■ 55.6844, 52.8521,
52.3087

■ 61.6225, 55.9108,
52.6990

■ 66.8107, 58.5829,
53.0543

Harmonies

Analogous

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



29.9215, 39.6241, 37.4883



29.9931, 39.6241, 50.3234



32.0093, 39.6241, 63.4076

Triad

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



29.9931, 39.6241, 50.3234



44.1960, 39.6241, 62.5673



39.7676, 39.6241, 23.3942

Complementary

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



29.9931, 39.6241, 50.3234



25.5981, 18.9001, 13.1268

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.



43.9428, 39.6241, 27.7351



29.9931, 39.6241, 50.3234



46.6330, 39.6241, 49.3415

Square

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



29.9931, 39.6241, 50.3234



40.0914, 39.6241, 71.3756



46.5368, 39.6241, 36.6820



35.3319, 39.6241, 23.5535

Rectangle

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



29.9931, 39.6241, 50.3234



34.2830, 39.6241, 69.7758



46.5368, 39.6241, 36.6820



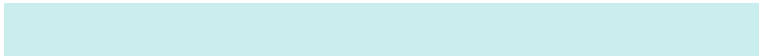
41.2550, 39.6241, 24.3316

Sweetspot

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



29.9943, 39.6256, 50.3243



69.8201, 79.2528, 91.5465



23.7248, 37.1356, 16.5081



15.1318, 17.3555, 20.1970



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



29.9943, 39.6256, 50.3243



50.6218, 69.3750, 89.7764



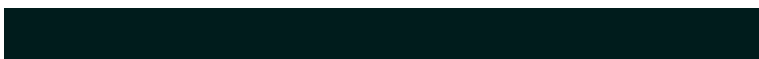
22.5402, 24.5513, 48.3524



9.2622, 10.2089, 11.5382



17.6291, 25.9526, 34.5643



0.6229, 0.9155, 1.2259

Inverse Universe

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



25.5981, 18.9001, 13.1268



41.8507, 28.0113, 15.5518



30.4983, 28.7730, 14.5369



9.0086, 9.0138, 9.3928



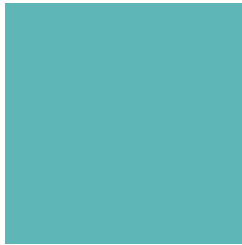
13.6330, 7.0269, 0.6881



0.4820, 0.2483, 0.0316

Previews

White Background



This preview shows how the XYZ color 29.9931, 39.6241, 50.3234 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 29.9931, 39.6241, 50.3234 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

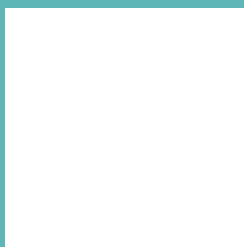
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9931, 39.6241, 50.3234

Background



This preview shows how black text looks on a background with the XYZ color 29.9931, 39.6241, 50.3234.

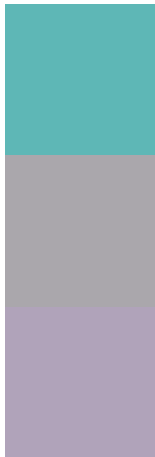


This preview shows how white text looks on a background with the XYZ color 29.9931, 39.6241,

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

29.9931, 39.6241, 50.3234

Protanopia

37.8427, 39.1620, 44.5942

Deuteranopia

39.8646, 38.9697, 51.8752



Tritanopia

31.5247, 39.6299, 58.2124

Trichromacy



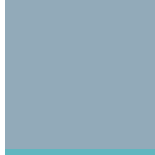
Original Color

29.9931, 39.6241, 50.3234



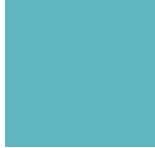
Protanomaly

33.9354, 38.7725, 46.7696



Deuteranomaly

34.9857, 38.3632, 51.4598



Tritanomaly

31.0617, 39.7589, 55.3273

Monochromacy



Original Color

29.9931, 39.6241, 50.3234



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

30.1006, 34.9756, 40.7618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9931, 39.6241, 50.3234 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(94, 183, 182)` looks like.

```
.text, #text, p{  
    color:rgb(94, 183, 182)  
}
```

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(94, 183, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 183, 182) }
```

Border

The CSS property to change the border of an element to XYZ 29.9931, 39.6241, 50.3234 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(94, 183, 182) }
```


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

```
.border{ border-color:rgb(94, 183, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 183, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 183, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 183, 182);  
box-shadow:4px 4px 4px 4px rgb(94, 183,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9931, 39.6241, 50.3234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 183, 182) }
```

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

```
.background{ background-color: rgb(94, 183,  
182) }
```

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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