

Converting Colors

XYZ(33.2414, 43.8063, 51.5032)

Have a look what the booklet for
XYZ(33.2414, 43.8063, 51.5032)
contains.

XYZ(33.2414, 43.8063, 51.5032)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.2414, 43.8063,
51.5032)**

Conversions

Conversions Part 1

Format	Color
Hex	6BBFB7
RGB	107, 191, 183
RGB Percent	42%, 75%, 72%
CMY	0.5804, 0.2510, 0.2823
CMYK	0.44, 0.00, 0.04, 0.25
HSL	174°, 40%, 58%
HSV	174°, 44%, 75%
XYZ	33.2414, 43.8063, 51.5032
YIQ	164.9720, -47.4960, -20.2960

Conversions

Conversions Part 2

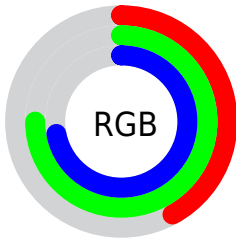
Format	Color
RYB	107, 151, 191
Decimal	7061431
CIELab	72.10, -27.46, -3.94
CIElCh	72, 27.741, 188.159
Yxy	43.8063, 0.2586, 0.3408
Android (android.graphics.Color)	4285251511 (0xFF6BBFB7)
YUV	164.9720, 8.8878, -50.8414
Hunter-Lab	66.1863, -26.1763, 0.1936

Details

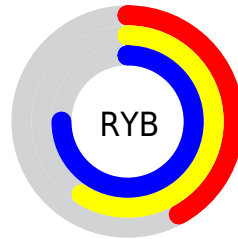
The XYZ color **33.2414, 43.8063, 51.5032** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.8395, 22.8307, 19.0552**, and the grayscale version is **35.7268, 37.5874, 40.9327**.

A 20% lighter version of the original color is **64.2516, 81.1533, 93.9391**, and **14.2903, 20.1811, 24.2613** is the 20% darker color. If you saturate the color by 10%, you get **31.0060, 42.6767, 50.4172**, and if you desaturate by 10%, it is **35.9890, 45.2018, 52.6279**.

Distribution



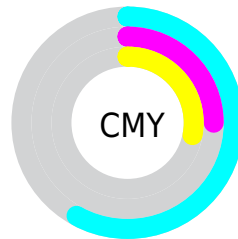
- Red (42%)
- Green (75%)
- Blue (72%)



- Red (42%)
- Yellow (59%)
- Blue (75%)



- Cyan (44%)
- Magenta (0%)
- Yellow (4%)
- Black (25%)




- Cyan (58%)
- Magenta (25%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2414, 43.8063, 51.5032 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 33.2414, 43.8063, 51.5032 by changing the saturation by 10% instead.


 33.2414, 43.8063,
51.5032


 33.2414, 43.8063,
51.5032


308.3819,
361.9173, 409.4179


 22.4716, 30.5183,
36.2297


 64.1044, 80.9262,
93.8173


 14.3223, 20.2323,
24.3206


 84.9282, 105.5268,
121.6949

 8.4284, 12.5640,
15.3572


 109.8342,
134.6671, 154.6111

 4.4244, 7.1290,
8.9211

 139.1875,
168.7315, 192.9842

 1.9449, 3.5429,
4.5936

173.3535,
208.1043, 237.2330

 0.6027, 1.4213,
1.9563

212.6977,

 0.0000, 0.2324,

253.1699, 287.7758

0.5282

257.5854,
304.3128, 345.0313

■ 0.0000, 0.0000,
0.0000

■ 33.2414, 43.8063,
51.5032

■ 33.2414, 43.8063,
51.5032

■ 31.0060, 42.6767,
50.4172

■ 35.9890, 45.2018,
52.6279

■ 29.2452, 41.7904,
49.3652

■ 39.2757, 46.8738,
53.7896

■ 27.9223, 41.1297,
48.3463


■ 43.1310, 48.8387,
54.9909


■ 26.9938, 40.6719,
47.3586


■ 47.5811, 51.1100,
56.2329


■ 26.4069, 40.3900,
46.3995


■ 52.6508, 53.7003,
57.5169

 26.1558, 40.2728,
45.8327

 58.3633, 56.6218,
58.8440

 64.7406, 59.8856,
60.2153

 70.0136, 62.5799,
61.5480

 70.2242, 62.6642,
62.6569

Harmonies

Analogous

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



33.7280, 43.8063, 38.6207



33.2414, 43.8063, 51.5032



34.8658, 43.8063, 65.7341

Triad

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



33.2414, 43.8063, 51.5032



47.5326, 43.8063, 71.3384



45.1245, 43.8063, 27.3201

Complementary

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



33.2414, 43.8063, 51.5032



29.8395, 22.8307, 19.0552

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.



49.2316, 43.8063, 33.3048



33.2414, 43.8063, 51.5032



50.6938, 43.8063, 58.0958

Square

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



33.2414, 43.8063, 51.5032



42.9450, 43.8063, 78.5247



51.3381, 43.8063, 44.0843



40.3550, 43.8063, 26.2237

Rectangle

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



33.2414, 43.8063, 51.5032



37.0057, 43.8063, 73.5205



51.3381, 43.8063, 44.0843



46.6386, 43.8063, 28.7634

Sweetspot

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



33.2427, 43.8080, 51.5042



77.8221, 87.7614, 98.6544



28.4089, 41.9969, 20.5196



16.7261, 19.0865, 21.5563



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.



33.2427, 43.8080, 51.5042



55.5796, 76.4564, 90.3207



27.5934, 31.1383, 53.8482



9.7683, 10.7935, 12.0295



17.2048, 26.4722, 30.2050



0.6855, 1.0415, 1.2439

Inverse Universe

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



29.8395, 22.8307, 19.0552



48.7015, 33.9655, 24.6685



33.6072, 31.0713, 18.1368



9.5661, 9.5507, 10.1041



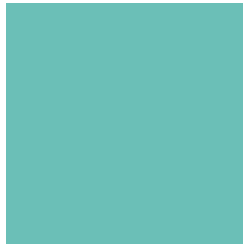
14.2069, 7.3139, 1.1172



0.5691, 0.2915, 0.1100

Previews

White Background



This preview shows how the XYZ color 33.2414, 43.8063, 51.5032 looks on a white background.

Color Contrast Check

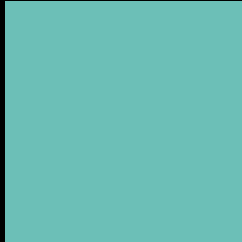
Large Text (above 18pt) WCAG AA × Fail

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 33.2414, 43.8063, 51.5032 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 33.2414, 43.8063, 51.5032

Background



This preview shows how black text looks on a background with the XYZ color 33.2414, 43.8063, 51.5032.

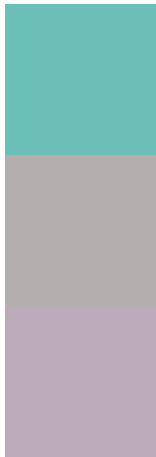


This preview shows how white text looks on a background with the XYZ color 33.2414, 43.8063,

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

33.2414, 43.8063, 51.5032

Protanopia

41.5604, 43.2996, 46.2116

Deuteranopia

44.2716, 43.4050, 53.0584



Tritanopia

35.5728, 43.7889, 63.0771

Trichromacy



Original Color

33.2414, 43.8063, 51.5032

Protanomaly

37.5966, 42.9944, 47.9122

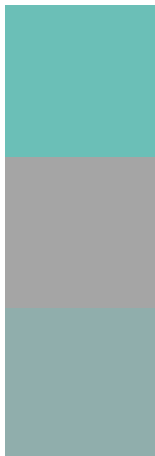
Deuteranomaly

39.0814, 42.7569, 52.6475

Tritanomaly

34.7169, 43.7602, 58.8413

Monochromacy



Original Color

33.2414, 43.8063, 51.5032

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.0840, 39.1800, 44.7958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2414, 43.8063, 51.5032 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(107, 191, 183)` looks like.

```
.text, #text, p{  
    color:rgb(107, 191, 183)  
}
```

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(107, 191, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 191, 183) }
```

Border

The CSS property to change the border of an element to XYZ 33.2414, 43.8063, 51.5032 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(107, 191, 183) }
```


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

```
.border{ border-color:rgb(107, 191, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 191, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 191, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 191, 183);  
box-shadow:4px 4px 4px 4px rgb(107, 191,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2414, 43.8063, 51.5032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 191, 183) }
```

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

```
.background{ background-color: rgb(107,  
191, 183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor