

Converting Colors

XYZ(33.2385, 49.4931, 40.9946)

Have a look what the booklet for
XYZ(33.2385, 49.4931, 40.9946)
contains.

XYZ(33.2741, 49.5434, 41.0668)	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(33.2741, 49.5434,
41.0668)**

Conversions

Conversions Part 1

Format	Color
Hex	5ECFA0
RGB	94, 207, 160
RGB Percent	37%, 81%, 63%
CMY	0.6314, 0.1882, 0.3725
CMYK	0.55, 0.00, 0.23, 0.19
HSL	155°, 54%, 59%
HSV	155°, 55%, 81%
XYZ	33.2741, 49.5434, 41.0668
YIQ	167.8550, -52.2610, -38.5730

Conversions

Conversions Part 2

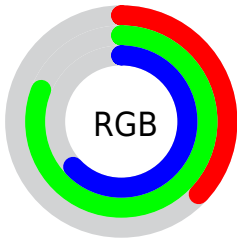
Format	Color
RYB	94, 165, 207
Decimal	6213536
CIELab	75.79, -43.25, 13.75
CIELCh	76, 45.381, 162.358
Yxy	49.5434, 0.2686, 0.3999
Android (android.graphics.Color)	4284403616 (0xFF5ECA0)
YUV	167.8550, -3.8725, -64.7708
Hunter-Lab	70.3871, -38.7950, 14.6787

Details

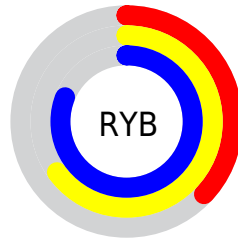
The XYZ color **33.2741, 49.5434, 41.0668** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **34.5442, 23.1951, 27.8577**, and the grayscale version is **37.1862, 39.1228, 42.6047**.

A 20% lighter version of the original color is **60.9746, 83.1017, 77.1165**, and **14.3359, 23.7459, 18.0152** is the 20% darker color. If you saturate the color by 10%, you get **30.7021, 48.3028, 37.1504**, and if you desaturate by 10%, it is **36.4701, 51.1022, 45.2869**.

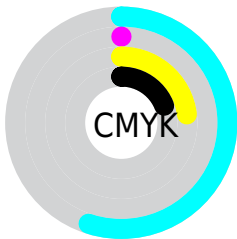
Distribution



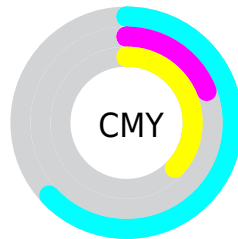
- Red (37%)
- Green (81%)
- Blue (63%)



- Red (37%)
- Yellow (65%)
- Blue (81%)



- Cyan (55%)
- Magenta (0%)
- Yellow (23%)
- Black (19%)




- Cyan (63%)
- Magenta (19%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2741, 49.5434, 41.0668 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 33.2741, 49.5434, 41.0668 by changing the saturation by 10% instead.


 33.2741, 49.5434,
41.0668


 33.2741, 49.5434,
41.0668


308.5262,
384.8777, 366.2846


 22.4967, 35.0507,
28.0512


 64.1550, 89.4980,
78.0401

 14.3410, 23.7020,
18.1249


 84.9894, 115.7287,
102.8348

 8.4415, 15.1127,
10.8693


 109.9067,
146.6409, 132.3930

 4.4329, 8.8985,
5.8660

 139.2724,
182.6189, 167.1332

 1.9498, 4.6750,
2.6963

173.4519,
224.0472, 207.4739

 0.6056, 2.0579,
0.9416

212.8104,

 0.0000, 0.6408,

271.3102, 253.8337

0.0000

257.7134,
324.7922, 306.6311

■ 0.0000, 0.0000,
0.0000

■ 33.2741, 49.5434,
41.0668

■ 33.2741, 49.5434,
41.0668

■ 30.7021, 48.3028,
37.1504

■ 36.4701, 51.1022,
45.2869

■ 28.7025, 47.3501,
33.5266

■ 40.3285, 52.9951,
49.8147

■ 27.2214, 46.6589,
30.1883

■ 44.8893, 55.2438,
54.6582

■ 26.1920, 46.1950,
27.1265

■ 50.1881, 57.8666,
59.8241

■ 25.7589, 46.0055,
25.5799

■ 56.2579, 60.8803,
65.3188

■ 63.1298, 64.3010,
71.1487

■ 70.8330, 68.1435,
77.3197

■ 77.6803, 71.5380,
83.7574

■ 78.9120, 72.0307,
90.2435

Harmonies

Analogous

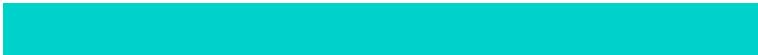
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.9939, 49.5434, 26.4053



33.2741, 49.5434, 41.0668



32.9683, 49.5434, 64.4983

Triad

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



33.2741, 49.5434, 41.0668



50.6433, 49.5434, 113.1595



60.1070, 49.5434, 28.3292

Complementary

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



33.2741, 49.5434, 41.0668



34.5442, 23.1951, 27.8577

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.



64.7577, 49.5434, 44.6094



33.2741, 49.5434, 41.0668



58.8726, 49.5434, 96.0164

Square

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



33.2741, 49.5434, 41.0668



42.3474, 49.5434, 111.3547



64.2808, 49.5434, 69.2665



52.1731, 49.5434, 20.7044

Rectangle

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



33.2741, 49.5434, 41.0668



34.6851, 49.5434, 82.7886



64.2808, 49.5434, 69.2665



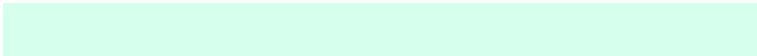
62.1464, 49.5434, 32.7239

Sweetspot

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



33.2754, 49.5454, 41.0679



78.9869, 92.0210, 94.5104



35.3335, 51.1059, 18.5926



16.5151, 19.5024, 19.8545



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.



33.2754, 49.5454, 41.0679



48.4191, 77.0345, 58.2143



35.9791, 47.0846, 66.2258



11.9417, 13.3204, 14.0494



16.2767, 29.0036, 16.3692



0.9491, 1.6373, 1.1209

Inverse Universe

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



34.5442, 23.1951, 27.8577



50.6845, 30.4521, 34.9721



32.6458, 23.8584, 13.4749



12.0098, 11.8886, 13.3272



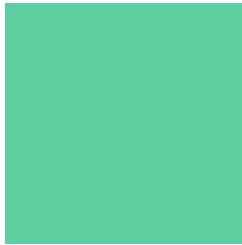
17.3180, 8.8000, 6.5807



1.0074, 0.5077, 0.5740

Previews

White Background



This preview shows how the XYZ color 33.2741, 49.5434, 41.0668 looks on a white background.

Color Contrast Check

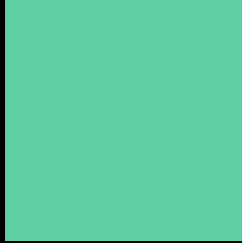
Large Text (above 18pt) WCAG AA × Fail

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 33.2741, 49.5434, 41.0668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

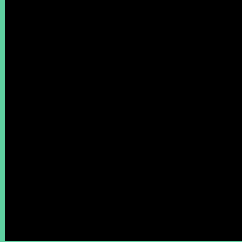
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.2741, 49.5434, 41.0668

Background



This preview shows how black text looks on a background with the XYZ color 33.2741, 49.5434, 41.0668.

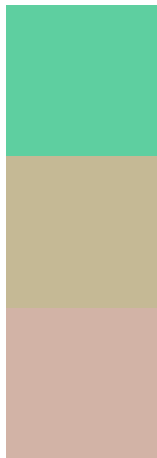


This preview shows how white text looks on a background with the XYZ color 33.2741, 49.5434,

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

33.2741, 49.5434, 41.0668

Protanopia

45.7997, 48.7382, 35.4273

Deuteranopia

49.5814, 48.6950, 42.8622



Tritanopia

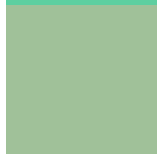
39.6045, 49.6459, 72.4610

Trichromacy



Original Color

33.2741, 49.5434, 41.0668



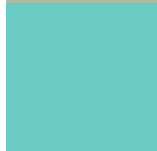
Protanomaly

39.3169, 47.9134, 37.3130



Deuteranomaly

41.0469, 47.4004, 42.1077



Tritanomaly

37.1454, 49.7007, 59.8600

Monochromacy



Original Color

33.2741, 49.5434, 41.0668



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.5040, 41.8352, 41.8538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2741, 49.5434, 41.0668 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, 207, 160)` looks like.

```
.text, #text, p{  
    color:rgb(94, 207, 160)  
}
```

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, 207, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 207, 160) }
```

Border

The CSS property to change the border of an element to XYZ 33.2741, 49.5434, 41.0668 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, 207, 160) }
```


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

```
.border{ border-color:rgb(94, 207, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 207, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(94, 207, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(94, 207, 160); box-shadow:4px 4px 4px 4px rgb(94, 207, 160) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2741, 49.5434, 41.0668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 207, 160) }
```

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

```
.background{ background-color: rgb(94, 207,  
160) }
```

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