

Converting Colors

XYZ(34.3237, 47.9396, 49.3261)

Have a look what the booklet for
XYZ(34.3237, 47.9396, 49.3261)
contains.

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Color

**XYZ(34.2894, 47.7543,
49.5298)**

Conversions

Conversions Part 1

Format	Color
Hex	65C9B2
RGB	101, 201, 178
RGB Percent	40%, 79%, 70%
CMY	0.6039, 0.2118, 0.3020
CMYK	0.50, 0.00, 0.11, 0.21
HSL	166°, 48%, 59%
HSV	166°, 50%, 79%
XYZ	34.2894, 47.7543, 49.5298
YIQ	168.4780, -52.2170, -28.3530

Conversions

Conversions Part 2

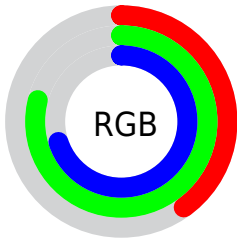
Format	Color
RYB	101, 157, 201
Decimal	6670770
CIELab	74.67, -34.88, 2.51
CIELCh	75, 34.968, 175.880
Yxy	47.7543, 0.2606, 0.3629
Android (android.graphics.Color)	4284860850 (0xFF65C9B2)
YUV	168.4780, 4.6943, -59.1782
Hunter-Lab	69.1045, -32.3618, 5.8778

Details

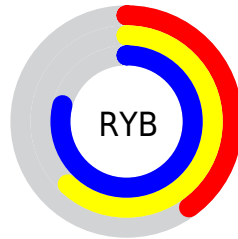
The XYZ color **34.2894, 47.7543, 49.5298** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.3808, 23.1815, 21.8385**, and the grayscale version is **37.4517, 39.4021, 42.9089**.

A 20% lighter version of the original color is **64.7118, 84.7296, 90.7857**, and **14.8173, 22.4698, 22.9582** is the 20% darker color. If you saturate the color by 10%, you get **31.8520, 46.5517, 47.0339**, and if you desaturate by 10%, it is **37.2955, 49.2506, 52.1361**.

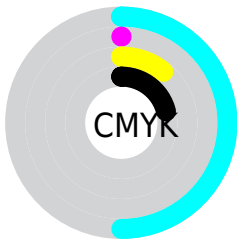
Distribution



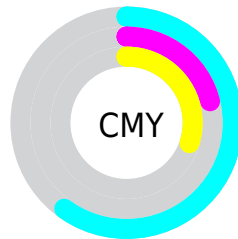
- Red (40%)
- Green (79%)
- Blue (70%)



- Red (40%)
- Yellow (62%)
- Blue (79%)



- Cyan (50%)
- Magenta (0%)
- Yellow (11%)
- Black (21%)



- Cyan (60%)
- Magenta (21%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2894, 47.7543, 49.5298 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 34.2894, 47.7543, 49.5298 by changing the saturation by 10% instead.

■ 34.2894, 47.7543,
49.5298

■ 34.2894, 47.7543,
49.5298

312.9838,
377.8174, 401.5066

■ 23.2800, 33.6324,
34.6714

■ 65.7248, 86.8385,
90.8669

■ 14.9222, 22.6113,
23.1283

■ 86.8814, 112.5695,
118.1827

■ 8.8508, 14.3068,
14.4821

■ 112.1511,
142.9390, 150.4880

■ 4.7003, 8.3343,
8.3142

■ 141.8993,
178.3313, 188.2014

■ 2.1054, 4.3096,
4.2060

176.4913,
219.1310, 231.7415

■ 0.6922, 1.8482,
1.7390

216.2925,

■ 0.0000, 0.5170,

265.7223, 281.5266

0.3873

261.6682,
318.4896, 337.9755

■ 0.0000, 0.0000,
0.0000

■ 34.2894, 47.7543,
49.5298

■ 34.2894, 47.7543,
49.5298

■ 31.8520, 46.5517,
47.0339

■ 37.2955, 49.2506,
52.1361

■ 29.9382, 45.6161,
44.6424

■ 40.9031, 51.0540,
54.8519

■ 28.5028, 44.9253,
42.3534


■ 45.1472, 53.1837,
57.6808


■ 27.4905, 44.4508,
40.1634


■ 50.0590, 55.6558,
60.6250


■ 26.8004, 44.1408,
38.0670


■ 55.6676, 58.4852,
63.6865

 26.7844, 44.1336,
38.0156

 62.0004, 61.6860,
66.8674

 69.0832, 65.2716,
70.1696

 74.3918, 67.9406,
73.4757

 74.9944, 68.1816,
76.6492

Harmonies

Analogous

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



36.0315, 47.7543, 34.7775



34.2894, 47.7543, 49.5298



35.2863, 47.7543, 68.7619

Triad

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



34.2894, 47.7543, 49.5298



50.9174, 47.7543, 90.1305



52.5716, 47.7543, 28.1292

Complementary

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



34.2894, 47.7543, 49.5298



32.3808, 23.1815, 21.8385

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.



57.2565, 47.7543, 38.2047



34.2894, 47.7543, 49.5298



56.2408, 47.7543, 74.1264

Square

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



34.2894, 47.7543, 49.5298



44.5194, 47.7543, 95.1401



58.6576, 47.7543, 54.5434



46.2699, 47.7543, 24.3815

Rectangle

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



34.2894, 47.7543, 49.5298



37.4249, 47.7543, 81.2825



58.6576, 47.7543, 54.5434



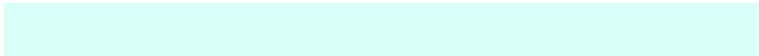
54.4098, 47.7543, 30.7547

Sweetspot

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



34.2908, 47.7562, 49.5309



80.9666, 92.8997, 101.0153



31.5976, 47.0248, 19.7243



16.9537, 19.6949, 21.3922



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.



34.2908, 47.7562, 49.5309



54.1322, 79.5019, 80.0687



31.1115, 37.3866, 60.8370



10.8383, 12.0242, 13.0987



16.8768, 27.7631, 24.0935



0.8254, 1.3251, 1.2790

Inverse Universe

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



32.3808, 23.1815, 21.8385



50.5206, 32.5744, 27.3643



34.1137, 28.7102, 16.0566



10.7322, 10.6762, 11.5728



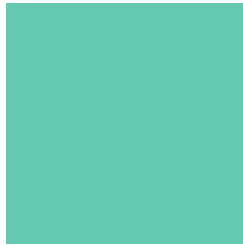
15.4877, 7.9446, 2.5121



0.7621, 0.3877, 0.2705

Previews

White Background



This preview shows how the XYZ color 34.2894, 47.7543, 49.5298 looks on a white background.

Color Contrast Check

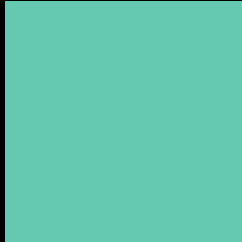
Large Text (above 18pt) WCAG AA × Fail

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 34.2894, 47.7543, 49.5298 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

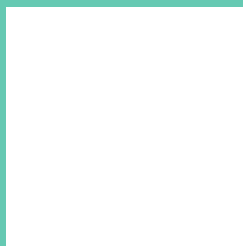
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.2894, 47.7543, 49.5298

Background



This preview shows how black text looks on a background with the XYZ color 34.2894, 47.7543, 49.5298.

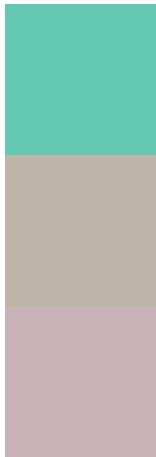


This preview shows how white text looks on a background with the XYZ color 34.2894, 47.7543,

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

34.2894, 47.7543, 49.5298

Protanopia

44.7821, 47.1019, 43.7771

Deuteranopia

48.0888, 47.1425, 51.3646



Tritanopia

38.1791, 47.6128, 69.4653

Trichromacy



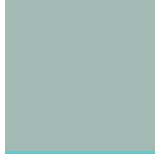
Original Color

34.2894, 47.7543, 49.5298



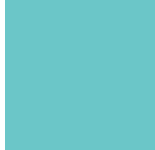
Protanomaly

39.5486, 46.5418, 45.9288



Deuteranomaly

41.2092, 46.3465, 50.4899



Tritanomaly

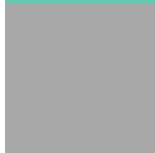
36.6828, 47.6841, 61.9141

Monochromacy



Original Color

34.2894, 47.7543, 49.5298



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

35.2693, 41.5504, 45.1909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2894, 47.7543, 49.5298 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(101, 201, 178)` looks like.

```
.text, #text, p{  
    color:rgb(101, 201, 178)  
}
```

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(101, 201, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 201, 178) }
```

Border

The CSS property to change the border of an element to XYZ 34.2894, 47.7543, 49.5298 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(101, 201, 178) }
```


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

```
.border{ border-color:rgb(101, 201, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 201, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 201, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 201, 178);  
box-shadow:4px 4px 4px 4px rgb(101, 201,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2894, 47.7543, 49.5298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 201, 178) }
```

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

```
.background{ background-color: rgb(101,  
201, 178) }
```

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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