

Converting Colors

XYZ(34.2163, 53.4137, 52.2495)

Have a look what the booklet for
XYZ(34.2163, 53.4137, 52.2495)
contains.

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Color

**XYZ(34.2801, 53.5427,
52.2441)**

Conversions

Conversions Part 1

Format	Color
Hex	2ED9B5
RGB	46, 217, 181
RGB Percent	18%, 85%, 71%
CMY	0.8196, 0.1490, 0.2902
CMYK	0.79, 0.00, 0.17, 0.15
HSL	167°, 69%, 52%
HSV	167°, 79%, 85%
XYZ	34.2801, 53.5427, 52.2441
YIQ	161.7670, -90.3600, -47.4480

Conversions

Conversions Part 2

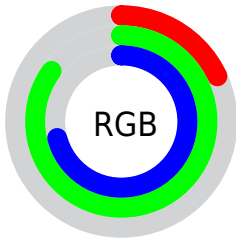
Format	Color
RYB	46, 142, 217
Decimal	3070389
CIELab	78.19, -50.10, 5.83
CIElCh	78, 50.440, 173.364
Yxy	53.5427, 0.2447, 0.3823
Android (android.graphics.Color)	4281260469 (0xFF2ED9B5)
YUV	161.7670, 9.4819, -101.5277
Hunter-Lab	73.1729, -44.4287, 8.8890

Details

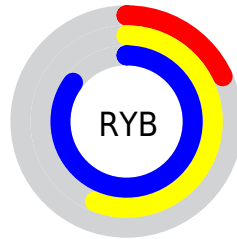
The XYZ color **34.2801, 53.5427, 52.2441** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **31.1172, 17.3165, 9.6876**, and the grayscale version is **34.2232, 36.0055, 39.2100**.

A 20% lighter version of the original color is **58.9312, 81.6994, 92.7843**, and **16.6412, 27.0483, 24.7658** is the 20% darker color. If you saturate the color by 10%, you get **33.0772, 52.9772, 49.7815**, and if you desaturate by 10%, it is **35.9949, 54.3729, 54.8133**.

Distribution



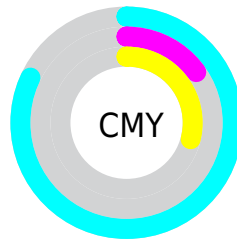
- Red (18%)
- Green (85%)
- Blue (71%)



- Red (18%)
- Yellow (56%)
- Blue (85%)



- Cyan (79%)
- Magenta (0%)
- Yellow (17%)
- Black (15%)



- Cyan (82%)
- Magenta (15%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2801, 53.5427, 52.2441 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 34.2801, 53.5427, 52.2441 by changing the saturation by 10% instead.

34.2801, 53.5427,
52.2441

34.2801, 53.5427,
52.2441

312.9432,
400.3638, 412.3620

23.2728, 38.2362,
36.8161

65.7104, 95.4025,
94.9214

14.9169, 26.1660,
24.7705

86.8641, 122.7245,
123.0077

8.8470, 16.9479,
15.6887

112.1306,
154.8205, 156.1506

4.6978, 10.1974,
9.1522

141.8753,
192.0749, 194.7686

2.1040, 5.5300,
4.7424

176.4636,
234.8720, 239.2802

0.6914, 2.5615,
2.0408

216.2608,

0.0000, 0.9073,

283.5962, 290.1039

0.5802

261.6322,
338.6320, 347.6583

■ 0.0000, 0.0000,
0.0000

■ 34.2801, 53.5427,
52.2441

■ 34.2801, 53.5427,
52.2441

■ 33.0772, 52.9772,
49.7815

■ 35.9949, 54.3729,
54.8133

■ 32.2797, 52.6176,
47.4162

■ 38.2827, 55.4955,
57.4892

■ 32.1944, 52.5797,
47.1374

■ 41.2008, 56.9412,
60.2763

■ 44.7981, 58.7351,
63.1777

■ 49.1187, 60.9001,
66.1962

■ 54.2028, 63.4569,
69.3343

■ 60.0879, 66.4247,
72.5945

■ 66.8087, 69.8215,
75.9791

■ 74.3979, 73.6640,
79.4903

Harmonies

Analogous

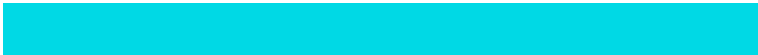
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.1377, 53.5427, 31.5209



34.2801, 53.5427, 52.2441



35.3893, 53.5427, 82.6026

Triad

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



34.2801, 53.5427, 52.2441



58.7891, 53.5427, 123.7336



63.0687, 53.5427, 24.6712

Complementary

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



34.2801, 53.5427, 52.2441



31.1172, 17.3165, 9.6876

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.



70.3637, 53.5427, 39.3016



34.2801, 53.5427, 52.2441



67.6783, 53.5427, 97.0919

Square

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



34.2801, 53.5427, 52.2441



48.7302, 53.5427, 130.6120



72.1511, 53.5427, 64.8043



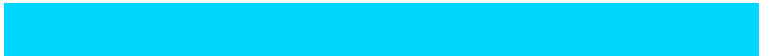
53.1142, 53.5427, 19.2767

Rectangle

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



34.2801, 53.5427, 52.2441



38.3095, 53.5427, 104.1158



72.1511, 53.5427, 64.8043



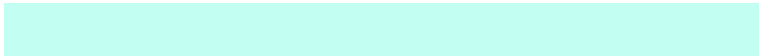
65.9627, 53.5427, 28.3898

Sweetspot

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



34.2816, 53.5448, 52.2454



74.0011, 89.3806, 97.4466



28.8796, 51.6665, 11.0365



15.2947, 18.8575, 20.5125



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.



34.2816, 53.5448, 52.2454



46.8209, 75.9631, 69.3185



27.7575, 33.8019, 70.7093



13.3213, 14.7802, 16.1550



19.5280, 31.8438, 28.7433



1.2951, 2.0750, 2.0203

Inverse Universe

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



31.1172, 17.3165, 9.6876



42.2992, 21.9089, 6.8134



33.1533, 23.0369, 5.2851



13.1676, 13.0962, 14.1441



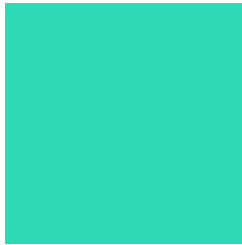
17.6484, 9.0604, 2.5287



1.1752, 0.5997, 0.3313

Previews

White Background



This preview shows how the XYZ color 34.2801, 53.5427, 52.2441 looks on a white background.

Color Contrast Check

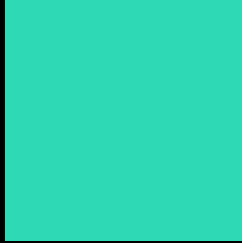
Large Text (above 18pt) WCAG AA × Fail

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 34.2801, 53.5427, 52.2441 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

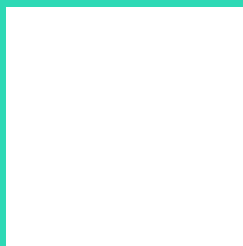
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.2801, 53.5427, 52.2441

Background



This preview shows how black text looks on a background with the XYZ color 34.2801, 53.5427, 52.2441.

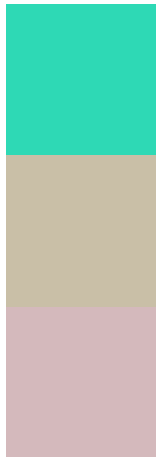


This preview shows how white text looks on a background with the XYZ color 34.2801, 53.5427,

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

34.2801, 53.5427, 52.2441

Protanopia

49.6932, 52.4691, 44.0677

Deuteranopia

53.5774, 52.3258, 54.8530



Tritanopia

40.1995, 53.6858, 81.6425

Trichromacy



Original Color

34.2801, 53.5427, 52.2441



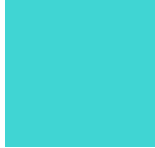
Protanomaly

39.7777, 50.3069, 46.6434



Deuteranomaly

41.6721, 50.1107, 53.3749



Tritanomaly

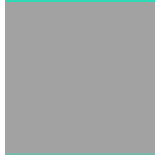
37.6665, 53.3816, 69.9465

Monochromacy



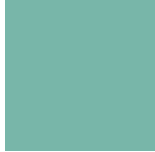
Original Color

34.2801, 53.5427, 52.2441



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.6351, 40.3135, 43.6501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2801, 53.5427, 52.2441 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(46, 217, 181)` looks like.

```
.text, #text, p{  
    color:rgb(46, 217, 181)  
}
```

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(46, 217, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 217, 181) }
```

Border

The CSS property to change the border of an element to XYZ 34.2801, 53.5427, 52.2441 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(46, 217, 181) }
```


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

```
.border{ border-color:rgb(46, 217, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 217, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 217, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 217, 181);  
box-shadow:4px 4px 4px 4px rgb(46, 217,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2801, 53.5427, 52.2441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 217, 181) }
```

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

```
.background{ background-color: rgb(46, 217,  
181) }
```

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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