

Converting Colors

XYZ(35.6871, 51.7809, 21.0252)

Have a look what the booklet for
XYZ(35.6871, 51.7809, 21.0252)
contains.

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Color

**XYZ(35.7299, 51.9835,
20.9826)**

Conversions

Conversions Part 1

Format	Color
Hex	8AD167
RGB	138, 209, 103
RGB Percent	54%, 82%, 40%
CMY	0.4588, 0.1804, 0.5961
CMYK	0.34, 0.00, 0.51, 0.18
HSL	100°, 54%, 61%
HSV	100°, 51%, 82%
XYZ	35.7299, 51.9835, 20.9826
YIQ	175.6870, -8.2900, -48.0180

Conversions

Conversions Part 2

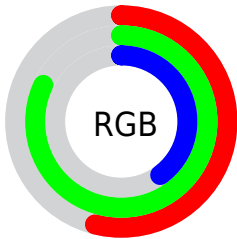
Format	Color
RYB	103, 209, 174
Decimal	9097575
CIELab	77.27, -41.17, 45.29
CIELCh	77, 61.209, 132.274
Yxy	51.9835, 0.3287, 0.4782
Android (android.graphics.Color)	4287287655 (0xFF8AD167)
YUV	175.6870, -35.8347, -33.0515
Hunter-Lab	72.0996, -37.7162, 33.2150

Details

The XYZ color **35.7299, 51.9835, 20.9826** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **33.8168, 23.3042, 63.0403**, and the grayscale version is **41.2887, 43.4390, 47.3050**.

A 20% lighter version of the original color is **64.0089, 85.3896, 44.5607**, and **15.7427, 25.1981, 7.2828** is the 20% darker color. If you saturate the color by 10%, you get **32.6407, 50.4990, 16.0300**, and if you desaturate by 10%, it is **39.3825, 53.7313, 27.3322**.

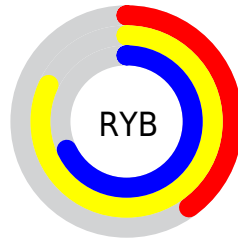
Distribution



Red (54%)

Green (82%)

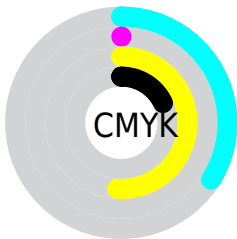
Blue (40%)



Red (40%)

Yellow (82%)

Blue (68%)

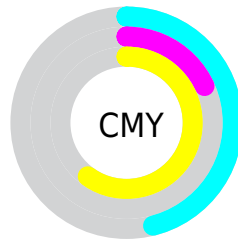


Cyan (34%)

Magenta (0%)

Yellow (51%)

Black (18%)



Cyan (46%)

Magenta (18%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7299, 51.9835, 20.9826 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 35.7299, 51.9835, 20.9826 by changing the saturation by 10% instead.

■ 35.7299, 51.9835,
20.9826

■ 35.7299, 51.9835,
20.9826

319.2303,
394.3729, 269.9640

■ 24.3948, 36.9919,
12.9202

■ 67.9416, 93.1069,
45.9390

■ 15.7531, 25.2012,
7.2435

■ 89.5489, 120.0075,
63.6700

■ 9.4393, 16.2270,
3.5341

■ 115.3109,
151.6466, 85.4610

■ 5.0882, 9.6850,
1.3734

■ 145.5931,
188.4086, 111.7305

■ 2.3344, 5.1906,
0.1208

180.7608,
230.6778, 142.8970

■ 0.8122, 2.3595,
0.0000

221.1793,

■ 0.0000, 0.8049,

278.8386, 179.3790

0.0000

267.2140,
333.2756, 221.5952

■ 0.0000, 0.0000,
0.0000

■ 35.7299, 51.9835,
20.9826

■ 35.7299, 51.9835,
20.9826

■ 32.6407, 50.4990,
16.0300

■ 39.3825, 53.7313,
27.3322

■ 30.0798, 49.2572,
12.3657

■ 43.6232, 55.7484,
35.1701

■ 28.0136, 48.2452,
9.8703

■ 48.4798, 58.0488,
44.5837

■ 26.4023, 47.4454,
8.4005

■ 53.9771, 60.6434,
55.6526

■ 25.2561, 46.8685,
7.7154

■ 60.1384, 63.5428,
68.4511

■ 66.9857, 66.7567,
83.0491

■ 74.5403, 70.2946,
99.5125

■ 80.2759, 73.1471,
104.4955

■ 82.0916, 74.0831,
104.5805

Harmonies

Analogous

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



44.7648, 51.9835, 14.0238



35.7299, 51.9835, 20.9826



30.8796, 51.9835, 39.1156

Triad

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



35.7299, 51.9835, 20.9826



42.8514, 51.9835, 143.1806



74.9034, 51.9835, 43.9432

Complementary

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



35.7299, 51.9835, 20.9826



33.8168, 23.3042, 63.0403

Split Complementary

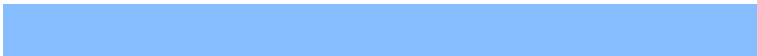
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.1726, 51.9835, 78.6476



35.7299, 51.9835, 20.9826



54.3632, 51.9835, 146.1550

Square

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



35.7299, 51.9835, 20.9826



34.5209, 51.9835, 112.1583



66.1970, 51.9835, 119.1570



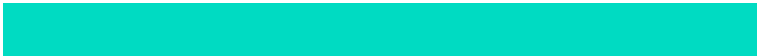
68.0589, 51.9835, 23.3068

Rectangle

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



35.7299, 51.9835, 20.9826



30.1157, 51.9835, 59.2046



66.1970, 51.9835, 119.1570



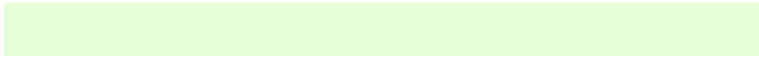
75.5626, 51.9835, 54.0753

Sweetspot

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



35.7312, 51.9857, 20.9837



80.6859, 93.2371, 79.2192



43.8166, 44.6803, 19.1475



16.8791, 19.7720, 16.1704



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.



35.7312, 51.9857, 20.9837



50.7603, 78.9903, 24.4888



31.8264, 49.8592, 25.9295



12.0187, 13.3931, 12.5637



15.6648, 28.9445, 4.7612



0.9590, 1.6613, 0.2701

Inverse Universe

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



33.8168, 23.3042, 63.0403



47.3588, 29.0162, 97.7124



40.5874, 27.0335, 52.5640



11.9157, 11.8054, 14.8943



13.8718, 6.3314, 37.6835



0.8575, 0.3962, 2.1109

Previews

White Background



This preview shows how the XYZ color 35.7299, 51.9835, 20.9826 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 35.7299, 51.9835, 20.9826 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 35.7299, 51.9835, 20.9826

Background



This preview shows how black text looks on a background with the XYZ color 35.7299, 51.9835, 20.9826.

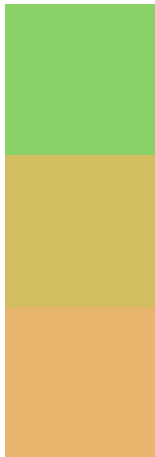


This preview shows how white text looks on a background with the XYZ color 35.7299, 51.9835,

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

35.7299, 51.9835, 20.9826

Protanopia

47.1495, 51.3916, 18.7438

Deuteranopia

52.2933, 51.1625, 21.8710



Tritanopia

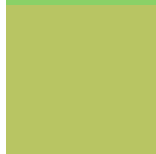
45.6868, 51.8045, 70.5421

Trichromacy



Original Color

35.7299, 51.9835, 20.9826



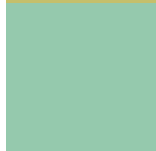
Protanomaly

41.9855, 51.0237, 19.4401



Deuteranomaly

44.3106, 50.1935, 21.2628



Tritanomaly

40.8239, 51.1800, 47.2622

Monochromacy



Original Color

35.7299, 51.9835, 20.9826



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.3083, 45.8177, 35.2584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7299, 51.9835, 20.9826 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(138, 209, 103)` looks like.

```
.text, #text, p{  
    color:rgb(138, 209, 103)  
}
```

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(138, 209, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 209, 103) }
```

Border

The CSS property to change the border of an element to XYZ 35.7299, 51.9835, 20.9826 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(138, 209, 103) }
```


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

```
.border{ border-color:rgb(138, 209, 103) }
```

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

Here you see how a box with a 4 pixel rgb(138, 209, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 209, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 209, 103);  
box-shadow:4px 4px 4px 4px rgb(138, 209,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7299, 51.9835, 20.9826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 209, 103) }
```

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

```
.background{ background-color: rgb(138,  
209, 103) }
```

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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