

Converting Colors

XYZ(36.8931, 55.3789, 34.9789)

Have a look what the booklet for
XYZ(36.8931, 55.3789, 34.9789)
contains.

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Color

**XYZ(36.9171, 55.2842,
35.1107)**

Conversions

Conversions Part 1

Format	Color
Hex	73D990
RGB	115, 217, 144
RGB Percent	45%, 85%, 56%
CMY	0.5490, 0.1490, 0.4353
CMYK	0.47, 0.00, 0.34, 0.15
HSL	137°, 57%, 65%
HSV	137°, 47%, 85%
XYZ	36.9171, 55.2842, 35.1107
YIQ	178.1800, -37.3590, -44.3270

Conversions

Conversions Part 2

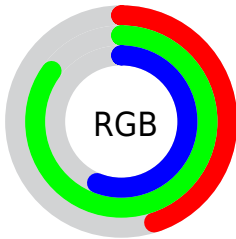
Format	Color
RYB	115, 194, 217
Decimal	7592336
CIELab	79.20, -45.56, 27.00
CIELCh	79, 52.954, 149.347
Yxy	55.2842, 0.2900, 0.4342
Android (android.graphics.Color)	4285782416 (0xFF73D990)
YUV	178.1800, -16.8507, -55.4089
Hunter-Lab	74.3533, -41.4915, 24.0498

Details

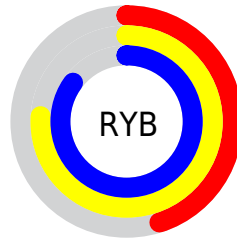
The XYZ color **36.9171, 55.2842, 35.1107** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **43.8249, 30.6451, 51.1841**, and the grayscale version is **42.5140, 44.7280, 48.7088**.

A 20% lighter version of the original color is **62.9663, 84.3679, 66.3920**, and **16.4080, 27.1499, 14.7316** is the 20% darker color. If you saturate the color by 10%, you get **33.2860, 53.5417, 29.1654**, and if you desaturate by 10%, it is **41.3860, 57.4428, 41.9501**.

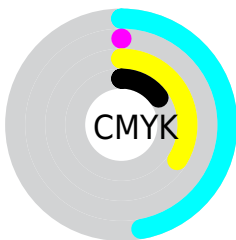
Distribution



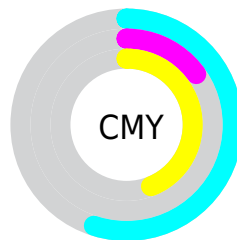
- Red (45%)
- Green (85%)
- Blue (56%)



- Red (45%)
- Yellow (76%)
- Blue (85%)



- Cyan (47%)
- Magenta (0%)
- Yellow (34%)
- Black (15%)





- Cyan (55%)
- Magenta (15%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9171, 55.2842, 35.1107 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 36.9171, 55.2842, 35.1107 by changing the saturation by 10% instead.


 36.9171, 55.2842,
35.1107


 36.9171, 55.2842,
35.1107


324.3132,
406.9883, 339.9758


 25.3167, 39.6293,
23.4639


 69.7599, 97.9572,
68.8107

 16.4431, 27.2496,
14.7279


 91.7331, 125.7442,
91.7011

 9.9311, 17.7608,
8.4842


 117.8945,
158.3439, 119.1764

 5.4152, 10.7784,
4.3141

148.6095,
196.1408, 151.6551

 2.5301, 5.9180,
1.7992

184.2436,
239.5193, 189.5559

 0.9105, 2.7953,
0.4274

225.1620,

 0.0000, 1.0258,

288.8638, 233.2973

0.0000

271.7301,
344.5587, 283.2977

■ 0.0000, 0.0000,
0.0000

■ 36.9171, 55.2842,
35.1107

■ 36.9171, 55.2842,
35.1107

■ 33.2860, 53.5417,
29.1654

■ 41.3860, 57.4428,
41.9501

■ 30.4340, 52.1812,
24.0732

■ 46.7378, 60.0355,
49.7148

■ 28.3012, 51.1742,
19.7957


■ 53.0195, 63.0872,
58.4390


■ 26.8167, 50.4849,
16.2898

■ 60.2735, 66.6193,
68.1541


■ 25.8890, 50.0673,
13.5078

■ 68.5394, 70.6514,
78.8901

 25.6752, 49.9724,
12.8064

 77.8545, 75.2023,
90.6756

 83.7385, 77.9617,
103.3268

 84.1039, 78.1079,
105.2513

Harmonies

Analogous

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



43.1936, 55.2842, 22.3552



36.9171, 55.2842, 35.1107



34.7171, 55.2842, 59.5339

Triad

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



36.9171, 55.2842, 35.1107



52.3146, 55.2842, 139.2617



72.3466, 55.2842, 35.9193

Complementary

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



36.9171, 55.2842, 35.1107



43.8249, 30.6451, 51.1841

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.



75.6241, 55.2842, 60.8612



36.9171, 55.2842, 35.1107



63.1594, 55.2842, 126.5949

Square

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



36.9171, 55.2842, 35.1107



42.8423, 55.2842, 125.5087



72.0602, 55.2842, 95.0499



63.6142, 55.2842, 22.6998

Rectangle

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



36.9171, 55.2842, 35.1107



35.5948, 55.2842, 81.6318



72.0602, 55.2842, 95.0499



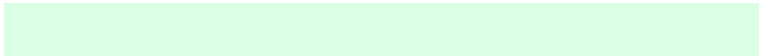
74.1709, 55.2842, 42.8839

Sweetspot

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



36.9185, 55.2865, 35.1119



79.2696, 92.3090, 88.0981



48.6730, 61.5702, 25.5389



16.5011, 19.5313, 18.2258



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.



36.9185, 55.2865, 35.1119



48.2008, 77.2712, 42.4249



41.7238, 57.2086, 60.4159



13.0380, 14.6668, 14.6629



15.5811, 30.2651, 7.9596



1.0461, 1.9754, 0.7086

Inverse Universe

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



43.8249, 30.6451, 51.1841



59.2450, 37.7680, 68.0538



39.2701, 28.8232, 27.1989



13.4483, 13.2084, 15.6220



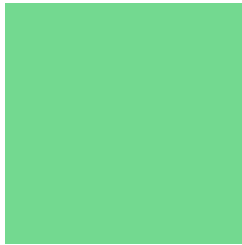
20.9666, 10.3877, 20.0019



1.3946, 0.6875, 1.4870

Previews

White Background



This preview shows how the XYZ color 36.9171, 55.2842, 35.1107 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 36.9171, 55.2842, 35.1107 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

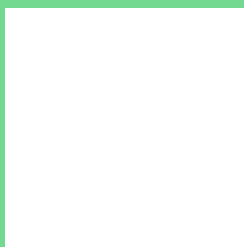
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9171, 55.2842, 35.1107

Background



This preview shows how black text looks on a background with the XYZ color 36.9171, 55.2842, 35.1107.

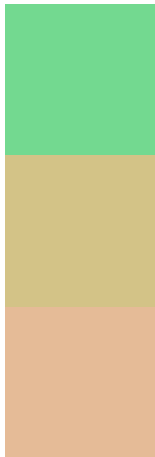


This preview shows how white text looks on a background with the XYZ color 36.9171, 55.2842,

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

36.9171, 55.2842, 35.1107

Protanopia

50.7522, 54.6284, 30.7911

Deuteranopia

55.6693, 54.4330, 36.8507



Tritanopia

45.5989, 55.0758, 78.7484

Trichromacy



Original Color

36.9171, 55.2842, 35.1107



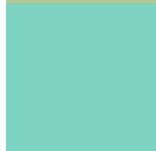
Protanomaly

43.8479, 53.7770, 32.1137



Deuteranomaly

46.2784, 53.2177, 35.8499



Tritanomaly

41.8970, 55.0407, 60.0455

Monochromacy



Original Color

36.9171, 55.2842, 35.1107



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

39.2501, 47.4210, 43.1609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9171, 55.2842, 35.1107 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(115, 217, 144)` looks like.

```
.text, #text, p{  
    color:rgb(115, 217, 144)  
}
```

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(115, 217, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 217, 144) }
```

Border

The CSS property to change the border of an element to XYZ 36.9171, 55.2842, 35.1107 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(115, 217, 144) }
```


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

```
.border{ border-color:rgb(115, 217, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 217, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 217, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 217, 144);  
box-shadow:4px 4px 4px 4px rgb(115, 217,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9171, 55.2842, 35.1107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 217, 144) }
```

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

```
.background{ background-color: rgb(115,  
217, 144) }
```

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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