

Converting Colors

XYZ(38.6593, 55.8105, 35.1954)

Have a look what the booklet for
XYZ(38.6593, 55.8105, 35.1954)
contains.

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Color

**XYZ(38.6432, 55.7925,
35.1179)**

Conversions

Conversions Part 1

Format	Color
Hex	81D890
RGB	129, 216, 144
RGB Percent	51%, 85%, 56%
CMY	0.4941, 0.1529, 0.4353
CMYK	0.40, 0.00, 0.33, 0.15
HSL	130°, 53%, 68%
HSV	130°, 40%, 85%
XYZ	38.6432, 55.7925, 35.1179
YIQ	181.7790, -28.7400, -40.8360

Conversions

Conversions Part 2

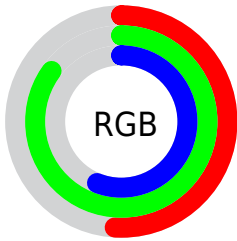
Format	Color
RYB	129, 203, 216
Decimal	8509584
CIELab	79.50, -41.21, 27.49
CIELCh	79, 49.537, 146.294
Yxy	55.7925, 0.2983, 0.4307
Android (android.graphics.Color)	4286699664 (0xFF81D890)
YUV	181.7790, -18.6250, -46.2872
Hunter-Lab	74.6944, -38.3680, 24.4106

Details

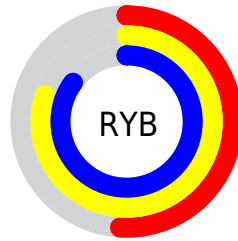
The XYZ color **38.6432, 55.7925, 35.1179** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **46.7136, 34.5177, 59.4609**, and the grayscale version is **44.4537, 46.7687, 50.9312**.

A 20% lighter version of the original color is **65.9606, 85.9115, 66.5322**, and **17.5447, 27.7359, 14.7848** is the 20% darker color. If you saturate the color by 10%, you get **34.4427, 53.7742, 28.3455**, and if you desaturate by 10%, it is **43.7564, 58.2595, 43.0648**.

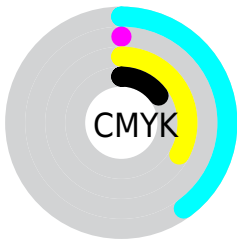
Distribution



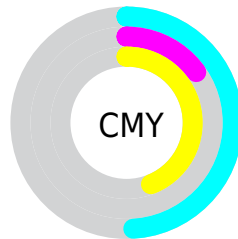
- Red (51%)
- Green (85%)
- Blue (56%)



- Red (51%)
- Yellow (80%)
- Blue (85%)



- Cyan (40%)
- Magenta (0%)
- Yellow (33%)
- Black (15%)





- Cyan (49%)
- Magenta (15%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6432, 55.7925, 35.1179 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 38.6432, 55.7925, 35.1179 by changing the saturation by 10% instead.


 38.6432, 55.7925,
35.1179


 38.6432, 55.7925,
35.1179


331.6045,
408.9090, 340.0085


 26.6617, 40.0366,
23.4694


 72.3905, 98.7011,
68.8220

 17.4546, 27.5671,
14.7320


 94.8871, 126.6226,
91.7147

 10.6565, 17.9996,
8.4870


 121.6194,
159.3681, 119.1926

 5.9019, 10.9497,
4.3159

152.9528,
197.3220, 151.6742

 2.8256, 6.0330,
1.8002

189.2526,
240.8686, 189.5781

 1.0622, 2.8652,
0.4281

230.8843,

 0.0000, 1.0617,

290.3924, 233.3227

0.0000

278.2131,
346.2777, 283.3267

■ 0.0000, 0.0000,
0.0000

■ 38.6432, 55.7925,
35.1179

■ 38.6432, 55.7925,
35.1179

■ 34.4427, 53.7742,
28.3455

■ 43.7564, 58.2595,
43.0648

■ 31.0965, 52.1709,
22.6883

■ 49.8279, 61.1928,
52.2342

■ 28.5458, 50.9552,
18.0873


■ 56.9049, 64.6173,
62.6762


■ 26.7225, 50.0933,
14.4769


■ 65.0308, 68.5545,
74.4368

■ 25.5467, 49.5455,
11.7839

■ 74.2459, 73.0241,
87.5598

 24.8947, 49.2490,
9.9643

 83.2504, 77.3553,
102.0243

 83.8470, 77.5939,
105.1657

Harmonies

Analogous

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



44.9921, 55.7925, 23.6575



38.6432, 55.7925, 35.1179



36.1260, 55.7925, 57.2726

Triad

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



38.6432, 55.7925, 35.1179



51.8011, 55.7925, 133.5385



72.1126, 55.7925, 39.5528

Complementary

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



38.6432, 55.7925, 35.1179



46.7136, 34.5177, 59.4609

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.



74.5212, 55.7925, 64.3624



38.6432, 55.7925, 35.1179



61.9703, 55.7925, 124.3599

Square

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



38.6432, 55.7925, 35.1179



43.0982, 55.7925, 118.7325



70.6042, 55.7925, 96.5400



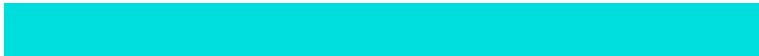
64.3792, 55.7925, 25.5984

Rectangle

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



38.6432, 55.7925, 35.1179



36.6933, 55.7925, 77.4675



70.6042, 55.7925, 96.5400



73.6104, 55.7925, 46.6268

Sweetspot

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



38.6446, 55.7948, 35.1191



80.8621, 93.1263, 88.3378



52.7425, 63.1864, 30.1857



17.0064, 19.7869, 18.4654



0.0000, 0.0000, 0.0000



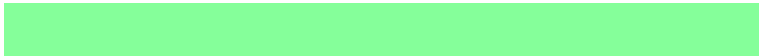
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.6446, 55.7948, 35.1191



51.1779, 78.7973, 42.9548



42.5804, 57.3691, 55.8447



12.3489, 13.9306, 13.6519



14.7621, 29.1602, 6.0427



0.9176, 1.7697, 0.5079

Inverse Universe

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



46.7136, 34.5177, 59.4609



64.4092, 43.8603, 82.8348



42.3424, 32.7692, 36.4422



12.8568, 12.5942, 15.1863



21.5989, 10.5759, 26.2556



1.3275, 0.6478, 1.7142

Previews

White Background



This preview shows how the XYZ color 38.6432, 55.7925, 35.1179 looks on a white background.

Color Contrast Check

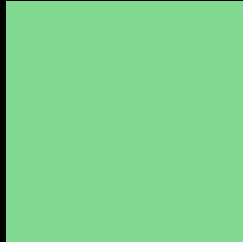
Large Text (above 18pt) WCAG AA × Fail

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 38.6432, 55.7925, 35.1179 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

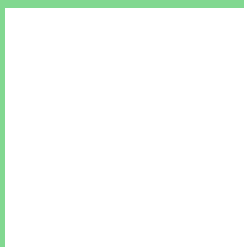
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6432, 55.7925, 35.1179

Background



This preview shows how black text looks on a background with the XYZ color 38.6432, 55.7925, 35.1179.



This preview shows how white text looks on a background with the XYZ color 38.6432, 55.7925,

35.1179.

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

38.6432, 55.7925, 35.1179

Protanopia

51.2645, 55.2262, 30.8795

Deuteranopia

56.1214, 54.9914, 36.5107



Tritanopia

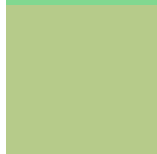
47.0676, 55.4901, 78.0420

Trichromacy



Original Color

38.6432, 55.7925, 35.1179



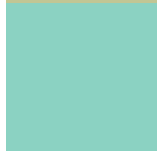
Protanomaly

45.2348, 54.4919, 32.1786



Deuteranomaly

47.5317, 53.8637, 35.9085



Tritanomaly

43.4317, 55.4772, 59.4580

Monochromacy



Original Color

38.6432, 55.7925, 35.1179



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

41.4639, 49.1973, 44.3564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6432, 55.7925, 35.1179 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(129, 216, 144)` looks like.

```
.text, #text, p{  
    color:rgb(129, 216, 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(129, 216, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 216, 144) }
```

Border

The CSS property to change the border of an element to XYZ 38.6432, 55.7925, 35.1179 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(129, 216, 144) }
```


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

```
.border{ border-color:rgb(129, 216, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 216, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 216, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 216, 144); box-shadow:4px 4px 4px 4px rgb(129, 216, 144) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6432, 55.7925, 35.1179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 216, 144) }
```

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

```
.background{ background-color: rgb(129,  
216, 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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