

Converting Colors

XYZ(37.2004, 50.2850, 31.3502)

Have a look what the booklet for
XYZ(37.2004, 50.2850, 31.3502)
contains.

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Color

**XYZ(37.1990, 50.3577,
31.4263)**

Conversions

Conversions Part 1

Format	Color
Hex	8FCB89
RGB	143, 203, 137
RGB Percent	56%, 80%, 54%
CMY	0.4392, 0.2039, 0.4627
CMYK	0.30, 0.00, 0.33, 0.20
HSL	115°, 39%, 67%
HSV	115°, 33%, 80%
XYZ	37.1990, 50.3577, 31.4263
YIQ	177.5360, -14.5740, -33.2460

Conversions

Conversions Part 2

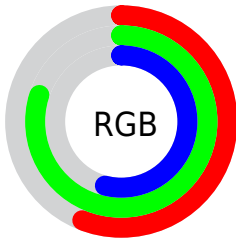
Format	Color
RYB	137, 203, 197
Decimal	9423753
CIELab	76.29, -32.06, 26.95
CIELCh	76, 41.878, 139.953
Yxy	50.3577, 0.3126, 0.4232
Android (android.graphics.Color)	4287613833 (0xFF8FCB89)
YUV	177.5360, -19.9842, -30.2881
Hunter-Lab	70.9632, -30.6155, 23.4174

Details

The XYZ color **37.1990, 50.3577, 31.4263** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.7534, 34.0749, 60.8264**, and the grayscale version is **42.1806, 44.3773, 48.3268**.

A 20% lighter version of the original color is **68.4527, 87.2874, 62.5305**, and **16.4861, 24.0254, 12.5725** is the 20% darker color. If you saturate the color by 10%, you get **32.9416, 48.3171, 24.3277**, and if you desaturate by 10%, it is **42.2587, 52.7831, 39.9947**.

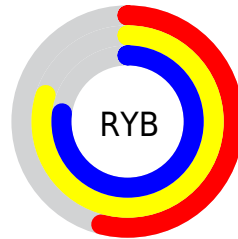
Distribution



Red (56%)

Green (80%)

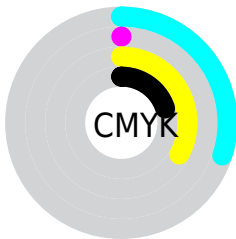
Blue (54%)



Red (54%)

Yellow (80%)

Blue (77%)

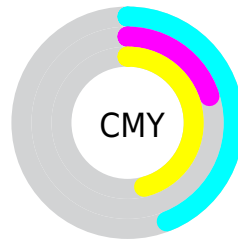


Cyan (30%)

Magenta (0%)

Yellow (33%)

Black (20%)



Cyan (44%)

Magenta (20%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1990, 50.3577, 31.4263 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 37.1990, 50.3577, 31.4263 by changing the saturation by 10% instead.

■ 37.1990, 50.3577,
31.4263

■ 37.1990, 50.3577,
31.4263

325.5119,
388.0631, 322.9093

■ 25.5360, 35.6977,
20.6625

■ 70.1906, 90.7046,
62.9980

■ 16.6077, 24.2008,
12.6887

■ 92.2499, 117.1604,
84.6431

■ 10.0487, 15.4827,
7.0863

■ 118.5053,
148.3168, 110.7522

■ 5.4938, 9.1588,
3.4369

149.3222,
184.5583, 141.7441

■ 2.5775, 4.8449,
1.3218

185.0660,
226.2693, 178.0372

■ 0.9345, 2.1566,
0.0796

226.1019,

■ 0.0000, 0.6962,

273.8342, 220.0501

0.0000

272.7954,
327.6373, 268.2013

■ 0.0000, 0.0000,
0.0000

■ 37.1990, 50.3577,
31.4263

■ 37.1990, 50.3577,
31.4263

■ 32.9416, 48.3171,
24.3277

■ 42.2587, 52.7831,
39.9947

■ 29.4414, 46.6356,
18.6132

■ 48.1548, 55.6050,
50.1055

■ 26.6550, 45.2941,
14.1936

■ 54.9244, 58.8424,
61.8305

■ 24.5329, 44.2693,
10.9676

■ 62.6010, 62.5110,
75.2359

■ 23.0192, 43.5349,
8.8191

■ 71.2165, 66.6261,
90.3844

■ 22.0487, 43.0604,
7.6088

■ 80.1824, 70.9544,
104.0772

■ 21.6149, 42.8469,
7.1311

■ 80.6470, 71.1939,
104.0990

Harmonies

Analogous

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



42.8881, 50.3577, 23.3739



37.1990, 50.3577, 31.4263



34.4683, 50.3577, 47.6196

Triad

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



37.1990, 50.3577, 31.4263



45.2744, 50.3577, 109.4619



63.5252, 50.3577, 41.3445

Complementary

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



37.1990, 50.3577, 31.4263



42.7534, 34.0749, 60.8264

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.



64.3446, 50.3577, 62.7359



37.1990, 50.3577, 31.4263



53.2095, 50.3577, 106.4229

Square

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



37.1990, 50.3577, 31.4263



38.7811, 50.3577, 95.0980



60.3932, 50.3577, 87.6698



58.2635, 50.3577, 27.9183

Rectangle

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



37.1990, 50.3577, 31.4263



34.4648, 50.3577, 62.6591



60.3932, 50.3577, 87.6698



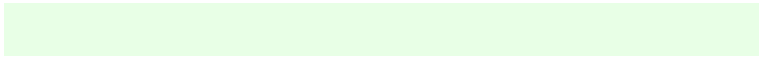
64.3499, 50.3577, 47.6836

Sweetspot

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



37.2003, 50.3598, 31.4274



83.1923, 94.3304, 88.3182



48.9765, 54.1657, 31.5413



17.4762, 20.0325, 18.3333



0.0000, 0.0000, 0.0000



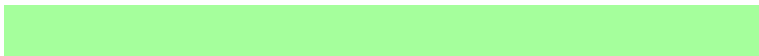
20.3446, 21.4041, 23.3091

Same Dimension

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



37.2003, 50.3598, 31.4274



57.1544, 81.8604, 44.0414



38.3208, 50.6913, 42.6046



11.1610, 12.5849, 11.9203



13.7889, 27.2837, 4.5395



0.7447, 1.4247, 0.2357

Inverse Universe

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



42.7534, 34.0749, 60.8264



67.8555, 50.4320, 100.7657



41.4721, 33.7475, 45.7161



11.5831, 11.3499, 14.1506



19.5642, 9.2932, 36.7189



1.0394, 0.4949, 1.8957

Previews

White Background



This preview shows how the XYZ color 37.1990, 50.3577, 31.4263 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 37.1990, 50.3577, 31.4263 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 37.1990, 50.3577, 31.4263

Background



This preview shows how black text looks on a background with the XYZ color 37.1990, 50.3577, 31.4263.



This preview shows how white text looks on a background with the XYZ color 37.1990, 50.3577,

31.4263.

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

37.1990, 50.3577, 31.4263

Protanopia

46.1567, 49.7089, 28.2812

Deuteranopia

50.7189, 49.8112, 32.5325



Tritanopia

44.5107, 50.2549, 67.6758

Trichromacy



Original Color

37.1990, 50.3577, 31.4263

Protanomaly

42.3597, 49.6571, 29.5425

Deuteranomaly

44.4551, 49.0664, 31.9387

Tritanomaly

41.2760, 49.9307, 52.2619

Monochromacy



Original Color

37.1990, 50.3577, 31.4263

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

39.8982, 46.1843, 41.4619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1990, 50.3577, 31.4263 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(143, 203, 137)` looks like.

```
.text, #text, p{  
    color:rgb(143, 203, 137)  
}
```

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(143, 203, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 203, 137) }
```

Border

The CSS property to change the border of an element to XYZ 37.1990, 50.3577, 31.4263 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(143, 203, 137) }
```


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

```
.border{ border-color:rgb(143, 203, 137) }
```

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

Here you see how a box with a 4 pixel rgb(143, 203, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 203, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 203, 137);  
box-shadow:4px 4px 4px 4px rgb(143, 203,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1990, 50.3577, 31.4263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 203, 137) }
```

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

```
.background{ background-color: rgb(143,  
203, 137) }
```

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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