

Converting Colors

XYZ(32.9806, 53.2241, 30.7221)

Have a look what the booklet for
XYZ(32.9806, 53.2241, 30.7221)
contains.

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Color

**XYZ(33.0710, 53.3939,
30.7533)**

Conversions

Conversions Part 1

Format	Color
Hex	58D985
RGB	88, 217, 133
RGB Percent	35%, 85%, 52%
CMY	0.6549, 0.1490, 0.4784
CMYK	0.59, 0.00, 0.39, 0.15
HSL	141°, 63%, 60%
HSV	141°, 59%, 85%
XYZ	33.0710, 53.3939, 30.7533
YIQ	168.8530, -49.9200, -53.4720

Conversions

Conversions Part 2

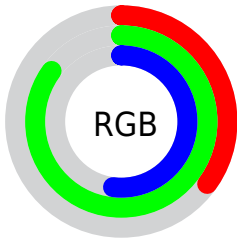
Format	Color
RYB	88, 184, 217
Decimal	5822853
CIELab	78.11, -53.96, 31.03
CIELCh	78, 62.247, 150.098
Yxy	53.3939, 0.2821, 0.4555
Android (android.graphics.Color)	4284012933 (0xFF58D985)
YUV	168.8530, -17.6755, -70.9081
Hunter-Lab	73.0711, -47.0878, 26.1965

Details

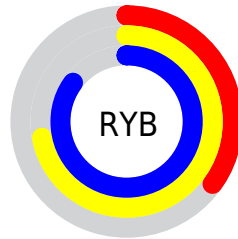
The XYZ color **33.0710, 53.3939, 30.7533** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **39.5531, 24.7108, 41.7165**, and the grayscale version is **37.7428, 39.7084, 43.2425**.

A 20% lighter version of the original color is **56.9424, 81.4038, 59.7250**, and **14.2679, 26.0989, 12.2682** is the 20% darker color. If you saturate the color by 10%, you get **30.4031, 52.1253, 25.8712**, and if you desaturate by 10%, it is **36.4842, 55.0345, 36.3582**.

Distribution



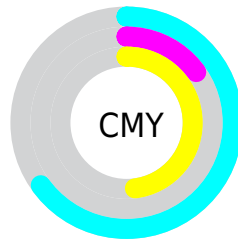
- Red (35%)
- Green (85%)
- Blue (52%)



- Red (35%)
- Yellow (72%)
- Blue (85%)



- Cyan (59%)
- Magenta (0%)
- Yellow (39%)
- Black (15%)





- Cyan (65%)
- Magenta (15%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0710, 53.3939, 30.7533 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 33.0710, 53.3939, 30.7533 by changing the saturation by 10% instead.


 33.0710, 53.3939,
30.7533


 33.0710, 53.3939,
30.7533


307.6289,
399.7945, 319.7161

 22.3403, 38.1173,
20.1542


 63.8403, 95.1837,
61.9265

 14.2252, 26.0738,
12.3220


 84.6096, 122.4658,
83.3376

 8.3602, 16.8788,
6.8382


 109.4559,
154.5184, 109.1898

 4.3800, 10.1481,
3.2842

 138.7445,
191.7261, 139.9017

 1.9193, 5.4973,
1.2415

172.8407,
234.4731, 175.8917

 0.5880, 2.5419,
0.0131

212.1100,

 0.0000, 0.8975,

283.1439, 217.5784

0.0000

256.9176,
338.1229, 265.3803

■ 0.0000, 0.0000,
0.0000

■ 33.0710, 53.3939,
30.7533

■ 33.0710, 53.3939,
30.7533

■ 30.4031, 52.1253,
25.8712

■ 36.4842, 55.0345,
36.3582

■ 28.4151, 51.1913,
21.6782

■ 40.6927, 57.0678,
42.7106

■ 27.0365, 50.5574,
18.1433

■ 45.7469, 59.5208,
49.8381

■ 26.1502, 50.1640,
15.2297

■ 51.6914, 62.4160,
57.7662

■ 26.1079, 50.1454,
15.0856

■ 58.5679, 65.7743,
66.5189

■ 66.4153, 69.6155,
76.1193

■ 75.2703, 73.9578,
86.5896

■ 82.6956, 77.5445,
97.8354

■ 84.1039, 78.1078,
105.2513

Harmonies

Analogous

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



39.9117, 53.3939, 17.3361



33.0710, 53.3939, 30.7533



30.7879, 53.3939, 58.2511

Triad

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



33.0710, 53.3939, 30.7533



50.7892, 53.3939, 153.9991



73.7648, 53.3939, 30.6242

Complementary

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



33.0710, 53.3939, 30.7533



39.5531, 24.7108, 41.7165

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.



77.8811, 53.3939, 58.0228



33.0710, 53.3939, 30.7533



63.3901, 53.3939, 137.3658

Square

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



33.0710, 53.3939, 30.7533



39.9705, 53.3939, 137.5683



73.8160, 53.3939, 98.2794



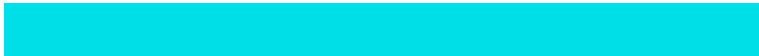
63.3101, 53.3939, 17.2852

Rectangle

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



33.0710, 53.3939, 30.7533



31.8187, 53.3939, 84.2930



73.8160, 53.3939, 98.2794



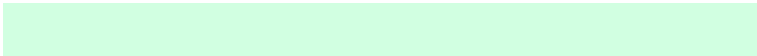
76.0036, 53.3939, 38.0427

Sweetspot

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



33.0724, 53.3961, 30.7545



75.6886, 90.5322, 84.7992



44.0317, 59.3314, 18.3643



15.6220, 19.0955, 17.3968



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.



33.0724, 53.3961, 30.7545



43.1032, 74.7831, 35.8698



38.7460, 55.6655, 60.6312



13.0731, 14.6809, 14.8480



15.8490, 30.3722, 9.3700



1.0667, 1.9836, 0.8173

Inverse Universe

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



39.5531, 24.7108, 41.7165



53.1825, 29.9497, 52.7562



34.8938, 22.8471, 17.1810



13.4114, 13.1937, 15.4278



20.2979, 10.1202, 16.4804



1.3551, 0.6717, 1.2791

Previews

White Background



This preview shows how the XYZ color 33.0710, 53.3939, 30.7533 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 33.0710, 53.3939, 30.7533 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

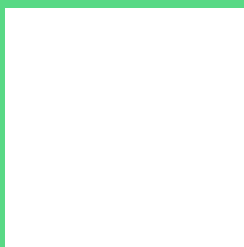
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.0710, 53.3939, 30.7533

Background



This preview shows how black text looks on a background with the XYZ color 33.0710, 53.3939, 30.7533.



This preview shows how white text looks on a background with the XYZ color 33.0710, 53.3939,

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

33.0710, 53.3939, 30.7533

Protanopia

48.7193, 52.6846, 26.3403

Deuteranopia

53.6268, 52.5350, 32.5131



Tritanopia

42.3300, 53.0477, 77.8202

Trichromacy



Original Color

33.0710, 53.3939, 30.7533



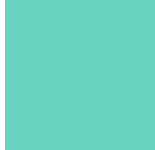
Protanomaly

40.2345, 51.3049, 27.8609



Deuteranomaly

42.2319, 50.5449, 31.5750



Tritanomaly

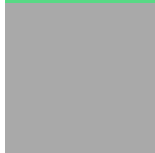
38.1666, 52.8141, 56.8978

Monochromacy



Original Color

33.0710, 53.3939, 30.7533



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

34.3749, 43.0936, 37.9586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0710, 53.3939, 30.7533 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(88, 217, 133)` looks like.

```
.text, #text, p{  
    color:rgb(88, 217, 133)  
}
```

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(88, 217, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 217, 133) }
```

Border

The CSS property to change the border of an element to XYZ 33.0710, 53.3939, 30.7533 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(88, 217, 133) }
```


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

```
.border{ border-color:rgb(88, 217, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 217, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 217, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 217, 133);  
box-shadow:4px 4px 4px 4px rgb(88, 217,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0710, 53.3939, 30.7533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 217, 133) }
```

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

```
.background{ background-color: rgb(88, 217,  
133) }
```

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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