

Converting Colors

XYZ(37.1361, 54.7096, 55.4885)

Have a look what the booklet for
XYZ(37.1361, 54.7096, 55.4885)
contains.

XYZ(37.0928, 54.5386, 55.5857)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.0928, 54.5386,
55.5857)**

Conversions

Conversions Part 1

Format	Color
Hex	53D8BB
RGB	83, 216, 187
RGB Percent	33%, 85%, 73%
CMY	0.6745, 0.1529, 0.2667
CMYK	0.62, 0.00, 0.13, 0.15
HSL	167°, 63%, 59%
HSV	167°, 62%, 85%
XYZ	37.0928, 54.5386, 55.5857
YIQ	172.9270, -69.9590, -37.2150

Conversions

Conversions Part 2

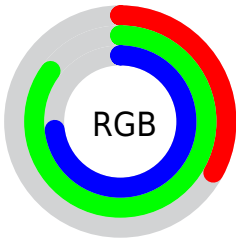
Format	Color
R_{YB}	83, 158, 216
Decimal	5494971
CIE _{Lab}	78.77, -43.12, 3.56
CIE _{LCh}	79, 43.271, 175.280
Yxy	54.5386, 0.2520, 0.3705
Android (android.graphics.Color)	4283685051 (0xFF53D8BB)
YUV	172.9270, 6.9380, -78.8660
Hunter-Lab	73.8503, -39.5827, 7.0687

Details

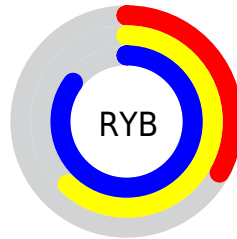
The XYZ color **37.0928, 54.5386, 55.5857** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **34.3386, 21.9568, 17.7596**, and the grayscale version is **39.6761, 41.7423, 45.4574**.

A 20% lighter version of the original color is **63.6147, 84.0108, 97.6569**, and **16.8739, 26.8628, 26.8500** is the 20% darker color. If you saturate the color by 10%, you get **34.9799, 53.5080, 52.8985**, and if you desaturate by 10%, it is **39.8188, 55.8860, 58.3904**.

Distribution



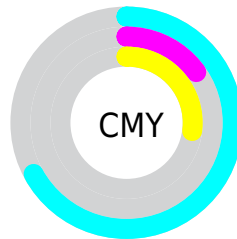
- Red (33%)
- Green (85%)
- Blue (73%)



- Red (33%)
- Yellow (62%)
- Blue (85%)



- Cyan (62%)
- Magenta (0%)
- Yellow (13%)
- Black (15%)





- Cyan (67%)
- Magenta (15%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0928, 54.5386, 55.5857 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 37.0928, 54.5386, 55.5857 by changing the saturation by 10% instead.

 37.0928, 54.5386,
55.5857


 37.0928, 54.5386,
55.5857


325.0607,
404.1605, 425.4727


 25.4534, 39.0324,
39.4691


 70.0284, 96.8646,
99.8783

 16.5457, 26.7850,
26.8142

 92.0553, 124.4532,
128.8914

 10.0044, 17.4118,
17.2025


 118.2753,
156.8381, 163.0404

 5.4642, 10.5285,
10.2155

 149.0539,
194.4037, 202.7438

 2.5596, 5.7508,
5.4346

184.7563,
237.5343, 248.4202

 0.9254, 2.6941,
2.4413

225.7481,

 0.0000, 0.9742,

286.6144, 300.4881

0.8088

272.3944,
342.0284, 359.3661

■ 0.0000, 0.0000,
0.0000

■ 37.0928, 54.5386,
55.5857

■ 37.0928, 54.5386,
55.5857

■ 34.9799, 53.5080,
52.8985

■ 39.8188, 55.8860,
58.3904

■ 33.4182, 52.7583,
50.3214

■ 43.2033, 57.5696,
61.3118

■ 32.3404, 52.2563,
47.8517

■ 47.2927, 59.6147,
64.3542

■ 31.7090, 51.9744,
45.8484

■ 52.1278, 62.0422,
67.5202

■ 57.7463, 64.8716,
70.8124

■ 64.1832, 68.1209,
74.2331

■ 71.4714, 71.8071,
77.7848

■ 79.3442, 75.7925,
81.4555

■ 79.9947, 76.0527,
84.8807

Harmonies

Analogous

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



39.4424, 54.5386, 36.3627



37.0928, 54.5386, 55.5857



38.3236, 54.5386, 81.8938

Triad

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



37.0928, 54.5386, 55.5857



59.1948, 54.5386, 113.0703



61.7967, 54.5386, 28.4349

Complementary

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



37.0928, 54.5386, 55.5857



34.3386, 21.9568, 17.7596

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.



68.2042, 54.5386, 41.4293



37.0928, 54.5386, 55.5857



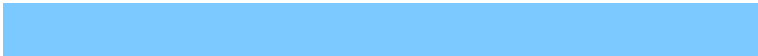
66.5898, 54.5386, 90.5089

Square

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



37.0928, 54.5386, 55.5857



50.4938, 54.5386, 119.8984



70.0478, 54.5386, 63.3500



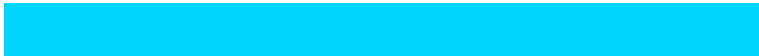
53.2045, 54.5386, 23.6840

Rectangle

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



37.0928, 54.5386, 55.5857



41.0891, 54.5386, 99.6074



70.0478, 54.5386, 63.3500



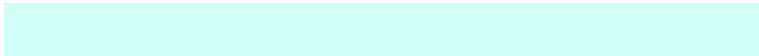
64.3132, 54.5386, 31.7740

Sweetspot

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



37.0943, 54.5407, 55.5870



78.5628, 91.6819, 99.9346



33.0627, 53.3182, 16.7335



16.3238, 19.3762, 21.0923



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.



37.0943, 54.5407, 55.5870



50.1457, 77.5362, 75.8421



32.3928, 39.6572, 70.9155



12.6709, 14.0593, 15.3471



18.8094, 30.7791, 27.3557



1.1639, 1.8682, 1.8049

Inverse Universe

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



34.3386, 21.9568, 17.7596



45.8833, 26.2626, 16.6848



36.4156, 28.2923, 11.7263



12.5330, 12.4647, 13.4810



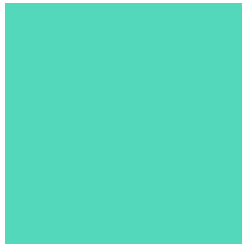
17.0999, 8.7763, 2.5641



1.0628, 0.5419, 0.3200

Previews

White Background



This preview shows how the XYZ color 37.0928, 54.5386, 55.5857 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 37.0928, 54.5386, 55.5857 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

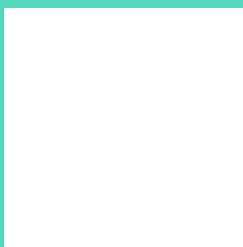
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.0928, 54.5386, 55.5857

Background



This preview shows how black text looks on a background with the XYZ color 37.0928, 54.5386, 55.5857.

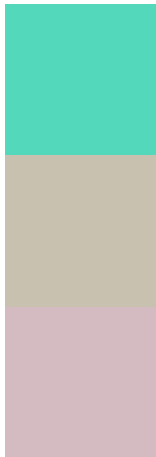


This preview shows how white text looks on a background with the XYZ color 37.0928, 54.5386,

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

37.0928, 54.5386, 55.5857

Protanopia

50.8952, 53.6526, 48.2310

Deuteranopia

54.5473, 53.3880, 57.8820



Tritanopia

42.0573, 54.2919, 80.9358

Trichromacy



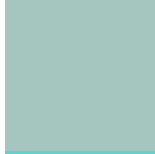
Original Color

37.0928, 54.5386, 55.5857



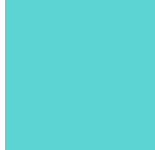
Protanomaly

43.1239, 52.2971, 50.4693



Deuteranomaly

45.1151, 52.1491, 56.9782



Tritanomaly

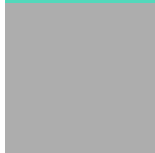
39.9413, 54.1676, 70.6376

Monochromacy



Original Color

37.0928, 54.5386, 55.5857



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

37.0487, 45.1850, 48.8884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0928, 54.5386, 55.5857 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(83, 216, 187)` looks like.

```
.text, #text, p{  
    color:rgb(83, 216, 187)  
}
```

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(83, 216, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 216, 187) }
```

Border

The CSS property to change the border of an element to XYZ 37.0928, 54.5386, 55.5857 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(83, 216, 187) }
```


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

```
.border{ border-color:rgb(83, 216, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 216, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 216, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 216, 187);  
box-shadow:4px 4px 4px 4px rgb(83, 216,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0928, 54.5386, 55.5857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 216, 187) }
```

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

```
.background{ background-color: rgb(83, 216,  
187) }
```

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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