

Converting Colors

XYZ(37.7283, 53.8083, 52.1136)

Have a look what the booklet for
XYZ(37.7283, 53.8083, 52.1136)
contains.

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Color

**XYZ(37.7283, 53.8083,
52.1136)**

Conversions

Conversions Part 1

Format	Color
Hex	67D5B5
RGB	103, 213, 181
RGB Percent	40%, 84%, 71%
CMY	0.5961, 0.1647, 0.2902
CMYK	0.52, 0.00, 0.15, 0.16
HSL	163°, 57%, 62%
HSV	163°, 52%, 84%
XYZ	37.7283, 53.8083, 52.1136
YIQ	176.4620, -55.2880, -33.2720

Conversions

Conversions Part 2

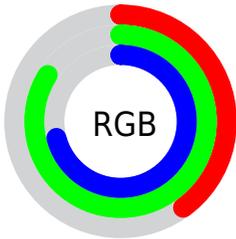
Format	Color
RYB	103, 167, 213
Decimal	6804917
CIELab	78.35, -39.22, 6.23
CIElCh	78, 39.709, 170.977
Yxy	53.8083, 0.2626, 0.3746
Android (android.graphics.Color)	4284994997 (0xFF67D5B5)
YUV	176.4620, 2.2372, -64.4262
Hunter-Lab	73.3541, -36.5617, 9.2260

Details

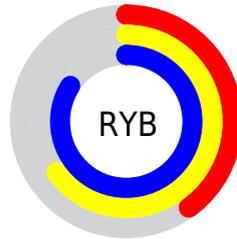
The XYZ color **37.7283, 53.8083, 52.1136** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **36.6659, 25.5974, 25.9321**, and the grayscale version is **41.5188, 43.6810, 47.5686**.

A 20% lighter version of the original color is **65.7440, 85.2115, 93.1032**, and **16.9598, 26.4436, 24.6323** is the 20% darker color. If you saturate the color by 10%, you get **34.9678, 52.4584, 48.7395**, and if you desaturate by 10%, it is **41.1423, 55.4945, 55.6683**.

Distribution



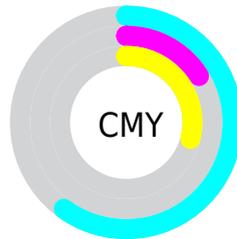
- Red (40%)
- Green (84%)
- Blue (71%)



- Red (40%)
- Yellow (65%)
- Blue (84%)



- Cyan (52%)
- Magenta (0%)
- Yellow (15%)
- Black (16%)



- Cyan (60%)
- Magenta (16%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7283, 53.8083, 52.1136 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 37.7283, 53.8083, 52.1136 by changing the saturation by 10% instead.

■ 37.7283, 53.8083,
52.1136

■ 37.7283, 53.8083,
52.1136

327.7541,
401.3786, 411.8444

■ 25.9481, 38.4484,
36.7128

■ 70.9981, 95.7927,
94.7270

■ 16.9173, 26.3309,
24.6911

■ 93.2184, 123.1860,
122.7767

■ 10.2705, 17.0714,
15.6302

■ 119.6495,
155.3593, 155.8798

■ 5.6423, 10.2854,
9.1113

■ 150.6568,
192.6969, 194.4547

■ 2.6674, 5.5886,
4.7161

186.6055,
235.5833, 238.9201

■ 0.9804, 2.5966,
2.0258

227.8610,

■ 0.0000, 0.9249,

284.4027, 289.6945

0.5711

274.7888,
339.5397, 347.1964

■ 0.0000, 0.0000,
0.0000

■ 37.7283, 53.8083,
52.1136

■ 37.7283, 53.8083,
52.1136

■ 34.9678, 52.4584,
48.7395

■ 41.1423, 55.4945,
55.6683

■ 32.8078, 51.4135,
45.5381

■ 45.2489, 57.5331,
59.4038

■ 31.1940, 50.6470,
42.5061

■ 50.0892, 59.9466,
63.3250

■ 30.0599, 50.1247,
39.6384

■ 55.6998, 62.7538,
67.4353

■ 29.3840, 49.8259,
37.3617

■ 62.1149, 65.9723,
71.7383

69.3664, 69.6186,
76.2370

77.4847, 73.7082,
80.9346

79.3993, 74.5960,
85.5019

80.2882, 74.9516,
90.1829

Harmonies

Analogous

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



40.3649, 53.8083, 35.5130



37.7283, 53.8083, 52.1136



38.3914, 53.8083, 75.3292

Triad

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



37.7283, 53.8083, 52.1136



56.6960, 53.8083, 108.4744



61.1676, 53.8083, 31.1771

Complementary

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



37.7283, 53.8083, 52.1136



36.6659, 25.5974, 25.9321

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.



66.4456, 53.8083, 44.5315



37.7283, 53.8083, 52.1136



63.6872, 53.8083, 89.9672

Square

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



37.7283, 53.8083, 52.1136



48.8295, 53.8083, 111.9990



67.4117, 53.8083, 65.5778



53.5288, 53.8083, 25.6088

Rectangle

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



37.7283, 53.8083, 52.1136



40.6461, 53.8083, 91.4674



67.4117, 53.8083, 65.5778



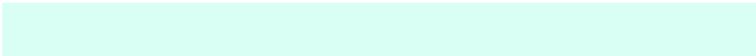
63.3078, 53.8083, 34.7162

Sweetspot

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



37.7298, 53.8104, 52.1148



80.6107, 92.7573, 99.1414



36.3975, 53.8043, 21.2999



16.8674, 19.6604, 20.9382



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.



37.7298, 53.8104, 52.1148



52.1883, 78.6596, 72.7566



36.2363, 44.9513, 69.7199



12.6310, 14.0434, 15.1374



17.9947, 30.4532, 23.0654



1.1205, 1.8509, 1.5765

Inverse Universe

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



36.6659, 25.5974, 25.9321



50.4555, 31.7709, 29.4183



37.2241, 29.7942, 16.6219



12.5704, 12.4796, 13.6779



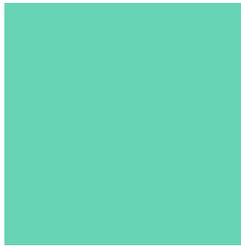
17.3313, 8.8688, 3.7828



1.0812, 0.5493, 0.4168

Previews

White Background



This preview shows how the XYZ color 37.7283, 53.8083, 52.1136 looks on a white background.

Color Contrast Check

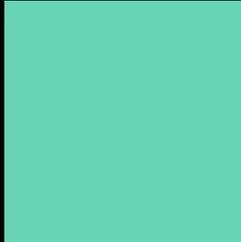
Large Text (above 18pt) WCAG AA × Fail

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 37.7283, 53.8083, 52.1136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

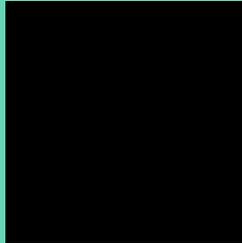
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7283, 53.8083, 52.1136

Background



This preview shows how black text looks on a background with the XYZ color 37.7283, 53.8083, 52.1136.



This preview shows how white text looks on a background with the XYZ color 37.7283, 53.8083,

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

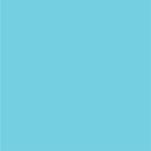
37.7283, 53.8083, 52.1136

Protanopia

50.1927, 53.0191, 45.6185

Deuteranopia

53.9691, 52.8518, 54.3706



Tritanopia

42.9698, 53.7205, 78.6253

Trichromacy



Original Color

37.7283, 53.8083, 52.1136



Protanomaly

43.8113, 52.3639, 47.8425



Deuteranomaly

45.7305, 51.8669, 53.5000



Tritanomaly

40.7412, 53.5345, 67.8604

Monochromacy



Original Color

37.7283, 53.8083, 52.1136



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.6279, 45.9991, 48.9623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7283, 53.8083, 52.1136 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(103, 213, 181)` looks like.

```
.text, #text, p{  
    color:rgb(103, 213, 181)  
}
```

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(103, 213, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 213, 181) }
```

Border

The CSS property to change the border of an element to XYZ 37.7283, 53.8083, 52.1136 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(103, 213, 181) }
```

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

```
.border{ border-color:rgb(103, 213, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 213, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 213, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 213, 181);  
box-shadow:4px 4px 4px 4px rgb(103, 213,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7283, 53.8083, 52.1136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 213, 181) }
```

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

```
.background{ background-color: rgb(103,  
213, 181) }
```

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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