

Converting Colors

XYZ(37.5257, 52.9682, 51.9755)

Have a look what the booklet for
XYZ(37.5257, 52.9682, 51.9755)
contains.

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Color

**XYZ(37.4605, 52.9280,
51.9578)**

Conversions

Conversions Part 1

Format	Color
Hex	69D3B5
RGB	105, 211, 181
RGB Percent	41%, 83%, 71%
CMY	0.5882, 0.1725, 0.2902
CMYK	0.50, 0.00, 0.14, 0.17
HSL	163°, 55%, 62%
HSV	163°, 50%, 83%
XYZ	37.4605, 52.9280, 51.9578
YIQ	175.8860, -53.5460, -31.8020

Conversions

Conversions Part 2

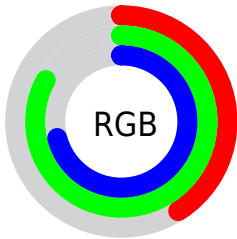
Format	Color
RYB	105, 167, 211
Decimal	6935477
CIELab	77.83, -37.86, 5.49
CIELCh	78, 38.256, 171.747
Yxy	52.9280, 0.2632, 0.3718
Android (android.graphics.Color)	4285125557 (0xFF69D3B5)
YUV	175.8860, 2.5212, -62.1670
Hunter-Lab	72.7516, -35.4040, 8.5824

Details

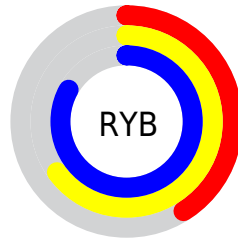
The XYZ color **37.4605, 52.9280, 51.9578** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **36.2906, 25.7028, 25.9722**, and the grayscale version is **41.2160, 43.3625, 47.2217**.

A 20% lighter version of the original color is **65.9464, 85.3158, 93.1126**, and **16.7810, 25.8490, 24.5270** is the 20% darker color. If you saturate the color by 10%, you get **34.6835, 51.5670, 48.6980**, and if you desaturate by 10%, it is **40.8816, 54.6206, 55.3872**.

Distribution



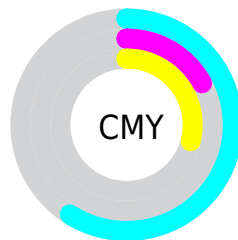
- Red (41%)
- Green (83%)
- Blue (71%)



- Red (41%)
- Yellow (65%)
- Blue (83%)



- Cyan (50%)
- Magenta (0%)
- Yellow (14%)
- Black (17%)



- Cyan (59%)
- Magenta (17%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4605, 52.9280, 51.9578 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 37.4605, 52.9280, 51.9578 by changing the saturation by 10% instead.

37.4605, 52.9280,
51.9578

37.4605, 52.9280,
51.9578

326.6210,
398.0088, 411.2260

25.7395, 37.7453,
36.5894

70.5897, 94.4984,
94.4949

16.7606, 25.7851,
24.5965

92.7287, 121.6549,
122.5008

10.1582, 16.6629,
15.5604

119.0710,
153.5715, 155.5562

5.5670, 9.9945,
9.0626

149.9821,
190.6325, 194.0798

2.6218, 5.3953,
4.6847

185.8273,
233.2223, 238.4900

0.9571, 2.4810,
2.0080

226.9719,

0.0000, 0.8671,

281.7254, 289.2054

0.5602

273.7814,
336.5261, 346.6446

■ 0.0000, 0.0000,
0.0000

■ 37.4605, 52.9280,
51.9578

■ 37.4605, 52.9280,
51.9578

■ 34.6835, 51.5670,
48.6980

■ 40.8816, 54.6206,
55.3872

■ 32.4993, 50.5074,
45.6003

■ 44.9841, 56.6602,
58.9861

■ 30.8564, 49.7237,
42.6616

■ 49.8079, 59.0684,
62.7593

■ 29.6915, 49.1836,
39.8773

■ 55.3884, 61.8636,
66.7099

■ 28.9040, 48.8339,
37.3007

■ 61.7584, 65.0626,
70.8411

68.9490, 68.6815,
75.1560

76.9897, 72.7352,
79.6573

78.6472, 73.4952,
84.0081

79.4947, 73.8342,
88.4708

Harmonies

Analogous

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



39.9087, 52.9280, 35.8426



37.4605, 52.9280, 51.9578



38.1782, 52.9280, 74.1424

Triad

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



37.4605, 52.9280, 51.9578



55.7829, 52.9280, 104.5534



59.6724, 52.9280, 31.1180

Complementary

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



37.4605, 52.9280, 51.9578



36.2906, 25.7028, 25.9722

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.



64.7645, 52.9280, 43.7709



37.4605, 52.9280, 51.9578



62.3696, 52.9280, 86.8283

Square

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



37.4605, 52.9280, 51.9578



48.2850, 52.9280, 108.2953



65.7972, 52.9280, 63.6998



52.3836, 52.9280, 25.9001

Rectangle

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



37.4605, 52.9280, 51.9578



40.3899, 52.9280, 89.3614



65.7972, 52.9280, 63.6998



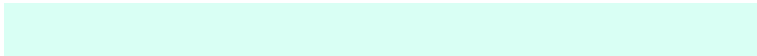
61.7263, 52.9280, 34.4695

Sweetspot

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



37.4620, 52.9301, 51.9590



80.6566, 92.7756, 99.3828



35.8428, 52.7643, 21.6610



16.8785, 19.6649, 20.9966



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.



37.4620, 52.9301, 51.9590



53.0847, 79.0829, 74.5526



35.5756, 43.6891, 68.1882



12.0097, 13.3476, 14.4076



17.4887, 29.4884, 22.7516



1.0109, 1.6620, 1.4463

Inverse Universe

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



36.2906, 25.7028, 25.9722



51.1258, 32.8165, 30.5511



37.1303, 30.3001, 17.2571



11.9443, 11.8625, 12.9827



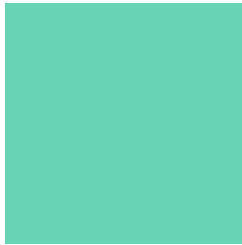
16.7384, 8.5682, 3.5286



0.9701, 0.4928, 0.3775

Previews

White Background



This preview shows how the XYZ color 37.4605, 52.9280, 51.9578 looks on a white background.

Color Contrast Check

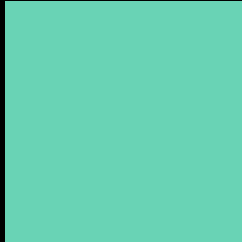
Large Text (above 18pt) WCAG AA × Fail

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 37.4605, 52.9280, 51.9578 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

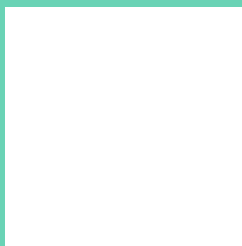
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4605, 52.9280, 51.9578

Background



This preview shows how black text looks on a background with the XYZ color 37.4605, 52.9280, 51.9578.



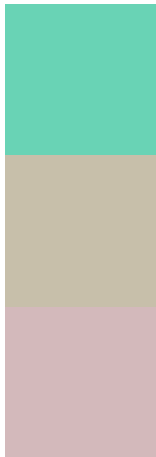
This preview shows how white text looks on a background with the XYZ color 37.4605, 52.9280,

51.9578.

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

37.4605, 52.9280, 51.9578

Protanopia

49.4397, 52.3060, 45.5205

Deuteranopia

53.1826, 52.1347, 54.2737



Tritanopia

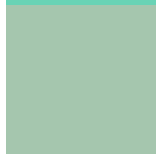
42.3523, 52.7185, 77.0507

Trichromacy



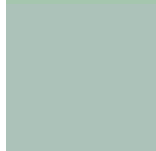
Original Color

37.4605, 52.9280, 51.9578



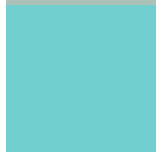
Protanomaly

43.3511, 51.4435, 47.6891



Deuteranomaly

45.0620, 50.8570, 53.3403



Tritanomaly

40.3854, 52.6414, 67.0637

Monochromacy



Original Color

37.4605, 52.9280, 51.9578



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.8112, 46.0936, 48.9709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4605, 52.9280, 51.9578 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(105, 211, 181)` looks like.

```
.text, #text, p{  
    color:rgb(105, 211, 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(105, 211, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 211, 181) }
```

Border

The CSS property to change the border of an element to XYZ 37.4605, 52.9280, 51.9578 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(105, 211, 181) }
```


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

```
.border{ border-color:rgb(105, 211, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 211, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 211, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 211, 181);  
box-shadow:4px 4px 4px 4px rgb(105, 211,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4605, 52.9280, 51.9578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 211, 181) }
```

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

```
.background{ background-color: rgb(105,  
211, 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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