

Converting Colors

XYZ(38.6622, 52.9787, 46.8255)

Have a look what the booklet for
XYZ(38.6622, 52.9787, 46.8255)
contains.

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Color

**XYZ(38.6086, 52.9012,
46.7041)**

Conversions

Conversions Part 1

Format	Color
Hex	7DD1AB
RGB	125, 209, 171
RGB Percent	49%, 82%, 67%
CMY	0.5098, 0.1804, 0.3294
CMYK	0.40, 0.00, 0.18, 0.18
HSL	153°, 48%, 65%
HSV	153°, 40%, 82%
XYZ	38.6086, 52.9012, 46.7041
YIQ	179.5520, -37.8660, -29.6260

Conversions

Conversions Part 2

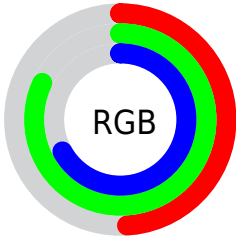
Format	Color
RYB	125, 179, 209
Decimal	8245675
CIELab	77.82, -34.08, 10.92
CIELCh	78, 35.790, 162.235
Yxy	52.9012, 0.2793, 0.3827
Android (android.graphics.Color)	4286435755 (0xFF7DD1AB)
YUV	179.5520, -4.2161, -47.8421
Hunter-Lab	72.7332, -32.5309, 12.8414

Details

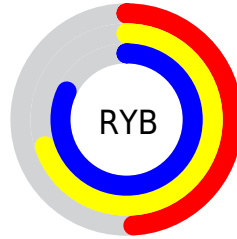
The XYZ color **38.6086, 52.9012, 46.7041** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **40.2408, 30.8682, 38.4897**, and the grayscale version is **43.1799, 45.4287, 49.4718**.

A 20% lighter version of the original color is **68.5435, 86.8347, 85.0997**, and **17.4112, 25.7452, 21.5044** is the 20% darker color. If you saturate the color by 10%, you get **35.0035, 51.1446, 41.9984**, and if you desaturate by 10%, it is **42.9230, 55.0189, 51.7819**.

Distribution



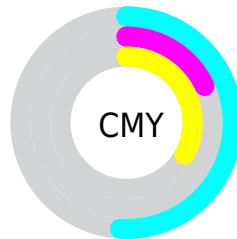
- Red (49%)
- Green (82%)
- Blue (67%)



- Red (49%)
- Yellow (70%)
- Blue (82%)



- Cyan (40%)
- Magenta (0%)
- Yellow (18%)
- Black (18%)





- Cyan (51%)
- Magenta (18%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6086, 52.9012, 46.7041 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 38.6086, 52.9012, 46.7041 by changing the saturation by 10% instead.


 38.6086, 52.9012,
46.7041


 38.6086, 52.9012,
46.7041

331.4594,
397.9060, 389.9917


 26.6347, 37.7239,
32.4491


 72.3379, 94.4590,
86.6171

 17.4343, 25.7685,
21.4371


 94.8241, 121.6082,
113.1122

 10.6418, 16.6505,
13.2496


 121.5450,
153.5169, 144.5245

 5.8920, 9.9856,
7.4679

152.8662,
190.5695, 181.2724

 2.8196, 5.3894,
3.6735

189.1528,
233.1503, 223.7746

 1.0591, 2.4775,
1.4480

230.7703,

 0.0000, 0.8653,

281.6437, 272.4495

0.1787

278.0841,
336.4341, 327.7157

■ 0.0000, 0.0000,
0.0000

■ 38.6086, 52.9012,
46.7041

■ 38.6086, 52.9012,
46.7041

■ 35.0035, 51.1446,
41.9984

■ 42.9230, 55.0189,
51.7819

■ 32.0615, 49.7210,
37.6522

■ 47.9809, 57.5108,
57.2368

■ 29.7373, 48.6089,
33.6573


■ 53.8190, 60.3972,
63.0781


■ 27.9781, 47.7810,
30.0038


■ 60.4707, 63.6951,
69.3140

■ 26.7209, 47.2052,
26.6809


■ 67.9670, 67.4205,
75.9519

 25.8644, 46.8281,
23.7300

 76.3375, 71.5883,
82.9995

 79.3551, 72.9884,
90.1712

 80.7751, 73.5563,
97.6486

 82.0914, 74.0829,
104.5805

Harmonies

Analogous

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



41.8305, 52.9012, 33.6758



38.6086, 52.9012, 46.7041



38.3297, 52.9012, 66.0889

Triad

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



38.6086, 52.9012, 46.7041



53.1636, 52.9012, 103.6295



60.8276, 52.9012, 35.5330

Complementary

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



38.6086, 52.9012, 46.7041



40.2408, 30.8682, 38.4897

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.



64.4894, 52.9012, 49.8718



38.6086, 52.9012, 46.7041



59.7993, 52.9012, 90.8004

Square

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



38.6086, 52.9012, 46.7041



46.3165, 52.9012, 102.2234



64.0966, 52.9012, 70.0720



54.4655, 52.9012, 28.3223

Rectangle

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



38.6086, 52.9012, 46.7041



39.8125, 52.9012, 80.4961



64.0966, 52.9012, 70.0720



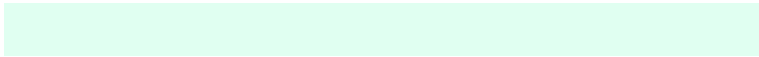
62.4404, 52.9012, 39.5186

Sweetspot

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



38.6100, 52.9034, 46.7053



82.5252, 93.7915, 97.0958



41.8550, 54.9977, 27.8124



17.3964, 19.9429, 20.5193



0.0000, 0.0000, 0.0000



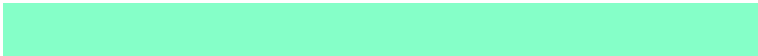
20.3446, 21.4041, 23.3091

Same Dimension

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



38.6100, 52.9034, 46.7053



55.7515, 80.6267, 67.0390



42.0873, 53.2046, 68.3755



11.9233, 13.3131, 13.9523



15.9969, 28.8917, 14.8957



0.9342, 1.6313, 1.0421

Inverse Universe

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



40.2408, 30.8682, 38.4897



58.6471, 41.5554, 52.4920



37.6908, 30.4234, 23.2885



12.0279, 11.8959, 13.4227



17.5217, 8.8815, 7.6536



1.0195, 0.5125, 0.6373

Previews

White Background



This preview shows how the XYZ color 38.6086, 52.9012, 46.7041 looks on a white background.

Color Contrast Check

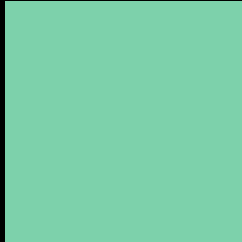
Large Text (above 18pt) WCAG AA × Fail

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 38.6086, 52.9012, 46.7041 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 38.6086, 52.9012, 46.7041

Background



This preview shows how black text looks on a background with the XYZ color 38.6086, 52.9012, 46.7041.

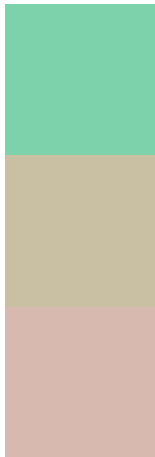


This preview shows how white text looks on a background with the XYZ color 38.6086, 52.9012,

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

38.6086, 52.9012, 46.7041

Protanopia

49.2398, 52.2877, 41.6797

Deuteranopia

53.2098, 52.2796, 48.3608



Tritanopia

44.0601, 52.5898, 74.8465

Trichromacy



Original Color

38.6086, 52.9012, 46.7041



Protanomaly

44.2192, 51.9890, 43.3016



Deuteranomaly

46.2232, 51.5846, 47.5650



Tritanomaly

42.0077, 52.8324, 63.8608

Monochromacy



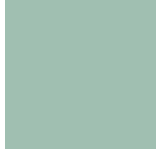
Original Color

38.6086, 52.9012, 46.7041



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

41.0638, 47.9095, 48.6781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6086, 52.9012, 46.7041 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(125, 209, 171)` looks like.

```
.text, #text, p{  
    color:rgb(125, 209, 171)  
}
```

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(125, 209, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 209, 171) }
```

Border

The CSS property to change the border of an element to XYZ 38.6086, 52.9012, 46.7041 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(125, 209, 171) }
```


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

```
.border{ border-color:rgb(125, 209, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 209, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 209, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 209, 171);  
box-shadow:4px 4px 4px 4px rgb(125, 209,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6086, 52.9012, 46.7041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 209, 171) }
```

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

```
.background{ background-color: rgb(125,  
209, 171) }
```

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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