

Converting Colors

XYZ(40.5286, 58.2940, 50.5851)

Have a look what the booklet for
XYZ(40.5286, 58.2940, 50.5851)
contains.

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Color

**XYZ(40.6023, 58.3979,
50.7269)**

Conversions

Conversions Part 1

Format	Color
Hex	71DDB1
RGB	113, 221, 177
RGB Percent	44%, 87%, 69%
CMY	0.5569, 0.1333, 0.3059
CMYK	0.49, 0.00, 0.20, 0.13
HSL	156°, 61%, 65%
HSV	156°, 49%, 87%
XYZ	40.6023, 58.3979, 50.7269
YIQ	183.6920, -50.2440, -36.5800

Conversions

Conversions Part 2

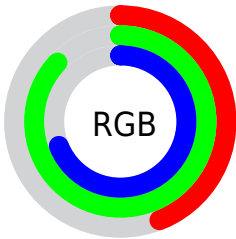
Format	Color
RYB	113, 181, 221
Decimal	7462321
CIELab	80.96, -41.36, 12.13
CIELCh	81, 43.104, 163.660
Yxy	58.3979, 0.2712, 0.3900
Android (android.graphics.Color)	4285652401 (0xFF71DDB1)
YUV	183.6920, -3.2992, -61.9969
Hunter-Lab	76.4185, -38.8927, 14.1360

Details

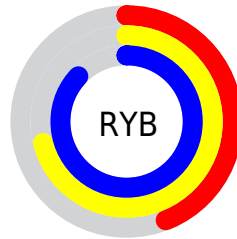
The XYZ color **40.6023, 58.3979, 50.7269** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **41.8117, 29.6182, 35.4137**, and the grayscale version is **45.4288, 47.7947, 52.0484**.

A 20% lighter version of the original color is **67.0455, 85.9492, 90.1470**, and **18.5614, 29.1224, 23.7117** is the 20% darker color. If you saturate the color by 10%, you get **37.2299, 56.7612, 46.0384**, and if you desaturate by 10%, it is **44.7293, 60.4198, 55.7624**.

Distribution



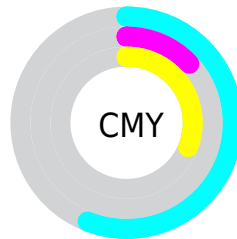
- Red (44%)
- Green (87%)
- Blue (69%)



- Red (44%)
- Yellow (71%)
- Blue (87%)



- Cyan (49%)
- Magenta (0%)
- Yellow (20%)
- Black (13%)





- Cyan (56%)
- Magenta (13%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6023, 58.3979, 50.7269 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 40.6023, 58.3979, 50.7269 by changing the saturation by 10% instead.


 40.6023, 58.3979,
50.7269


 40.6023, 58.3979,
50.7269


339.7467,
418.6670, 406.3180

 28.1948, 42.1286,
35.6161


 75.3583, 102.5021,
92.6583

 18.6137, 29.2020,
23.8505


 98.4375, 131.1057,
120.3160

 11.4938, 19.2337,
15.0116


 125.8047,
164.5897, 152.9931

 6.4698, 11.8393,
8.6808

157.8251,
203.3383, 191.1081

 3.1761, 6.6343,
4.4396

194.8641,
247.7359, 235.0795

 1.2476, 3.2345,
1.8695

237.2872,

 0.1434, 1.2553,

298.1669, 285.3260

0.4732

285.4596,
355.0158, 342.2660

■ 0.0000, 0.1062,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.6023, 58.3979,
50.7269

■ 40.6023, 58.3979,
50.7269

■ 37.2299, 56.7612,
46.0384

■ 44.7293, 60.4198,
55.7624

■ 34.5551, 55.4759,
41.6846


■ 49.6534, 62.8442,
61.1489


■ 32.5202, 54.5139,
37.6578


■ 55.4191, 65.6953,
66.8954


■ 31.0552, 53.8392,
33.9487


■ 62.0664, 68.9936,
73.0090


 30.0523, 53.3965,
30.5455


 69.6326, 72.7584,
79.4970

 29.9516, 53.3526,
30.1786

 78.1528, 77.0075,
86.3662

 82.8303, 79.2681,
93.3971

 84.2019, 79.8167,
100.6198

 85.1475, 80.1950,
105.5992

Harmonies

Analogous

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



44.4731, 58.3979, 34.2269



40.6023, 58.3979, 50.7269



40.4337, 58.3979, 75.9223

Triad

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



40.6023, 58.3979, 50.7269



59.6607, 58.3979, 124.3548



68.8803, 58.3979, 35.3150

Complementary

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



40.6023, 58.3979, 50.7269



41.8117, 29.6182, 35.4137

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.



73.9223, 58.3979, 52.6630



40.6023, 58.3979, 50.7269



68.2263, 58.3979, 106.2193

Square

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



40.6023, 58.3979, 50.7269



50.8124, 58.3979, 123.4257



73.6708, 58.3979, 78.4516



60.4789, 58.3979, 27.1018

Rectangle

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



40.6023, 58.3979, 50.7269



42.4027, 58.3979, 94.9284



73.6708, 58.3979, 78.4516



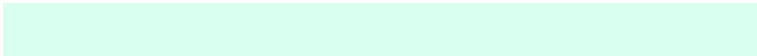
71.0626, 58.3979, 40.0344

Sweetspot

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



40.6039, 58.4003, 50.7282



79.9426, 92.4900, 95.6229



42.9395, 60.1767, 24.9758



16.7060, 19.5959, 20.0881



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.



40.6039, 58.4003, 50.7282



51.2373, 78.3778, 63.2923



43.4065, 55.8204, 76.8960



13.2087, 14.7351, 15.5618



17.4562, 31.0151, 17.8335



1.1732, 2.0262, 1.3783

Inverse Universe

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



41.8117, 29.6182, 35.4137



53.1147, 34.0193, 39.7697



39.7607, 30.4849, 19.4122



13.2748, 13.1390, 14.7085



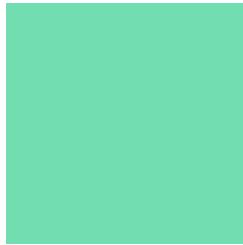
18.4482, 9.3803, 6.7403



1.2372, 0.6245, 0.6581

Previews

White Background



This preview shows how the XYZ color 40.6023, 58.3979, 50.7269 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 40.6023, 58.3979, 50.7269 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

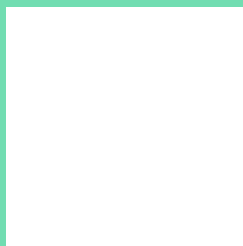
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.6023, 58.3979, 50.7269

Background



This preview shows how black text looks on a background with the XYZ color 40.6023, 58.3979, 50.7269.

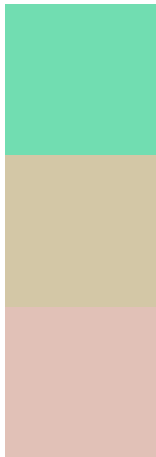


This preview shows how white text looks on a background with the XYZ color 40.6023, 58.3979, 50.7269.

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

40.6023, 58.3979, 50.7269

Protanopia

54.1703, 57.4489, 44.3101

Deuteranopia

58.6685, 57.5664, 52.8190



Tritanopia

47.3725, 58.4519, 84.3868

Trichromacy



Original Color

40.6023, 58.3979, 50.7269



Protanomaly

47.2477, 56.6419, 46.4730



Deuteranomaly

49.4636, 56.2384, 51.9642



Tritanomaly

44.7391, 58.5398, 70.5693

Monochromacy



Original Color

40.6023, 58.3979, 50.7269



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.4073, 50.5378, 51.2357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6023, 58.3979, 50.7269 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(113, 221, 177)` looks like.

```
.text, #text, p{  
    color:rgb(113, 221, 177)  
}
```

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(113, 221, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 221, 177) }
```

Border

The CSS property to change the border of an element to XYZ 40.6023, 58.3979, 50.7269 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(113, 221, 177) }
```


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

```
.border{ border-color:rgb(113, 221, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 221, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 221, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 221, 177);  
box-shadow:4px 4px 4px 4px rgb(113, 221,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6023, 58.3979, 50.7269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 221, 177) }
```

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

```
.background{ background-color: rgb(113,  
221, 177) }
```

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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