

Converting Colors

XYZ(40.5086, 60.5377, 51.4197)

Have a look what the booklet for
XYZ(40.5086, 60.5377, 51.4197)
contains.

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Color

**XYZ(40.6506, 60.8052,
51.7135)**

Conversions

Conversions Part 1

Format	Color
Hex	63E3B2
RGB	99, 227, 178
RGB Percent	39%, 89%, 70%
CMY	0.6117, 0.1098, 0.3020
CMYK	0.56, 0.00, 0.22, 0.11
HSL	157°, 70%, 64%
HSV	157°, 56%, 89%
XYZ	40.6506, 60.8052, 51.7135
YIQ	183.1420, -60.5590, -42.3750

Conversions

Conversions Part 2

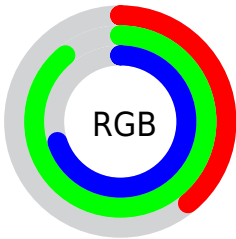
Format	Color
RYB	99, 178, 227
Decimal	6546354
CIELab	82.27, -46.88, 13.39
CIELCh	82, 48.756, 164.054
Yxy	60.8052, 0.2654, 0.3970
Android (android.graphics.Color)	4284736434 (0xFF63E3B2)
YUV	183.1420, -2.5350, -73.7925
Hunter-Lab	77.9777, -43.4070, 15.2642

Details

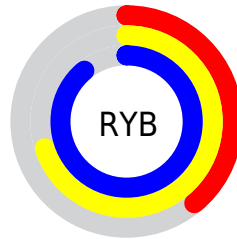
The XYZ color **40.6506, 60.8052, 51.7135** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **41.4878, 27.3943, 31.1205**, and the grayscale version is **45.1264, 47.4765, 51.7019**.

A 20% lighter version of the original color is **64.9094, 84.8314, 90.7949**, and **18.6655, 30.8132, 24.3658** is the 20% darker color. If you saturate the color by 10%, you get **37.6656, 59.3656, 47.1631**, and if you desaturate by 10%, it is **44.3911, 62.6310, 56.5905**.

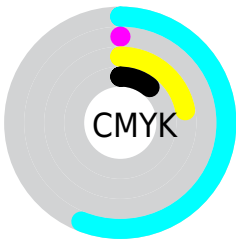
Distribution



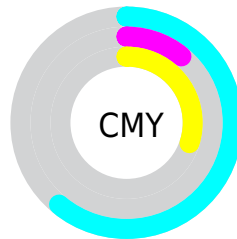
- Red (39%)
- Green (89%)
- Blue (70%)



- Red (39%)
- Yellow (70%)
- Blue (89%)



- Cyan (56%)
- Magenta (0%)
- Yellow (22%)
- Black (11%)



- Cyan (61%)
- Magenta (11%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6506, 60.8052, 51.7135 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 40.6506, 60.8052, 51.7135 by changing the saturation by 10% instead.

■ 40.6506, 60.8052,
51.7135

■ 40.6506, 60.8052,
51.7135

339.9458,
427.5594, 410.2550

■ 28.2326, 44.0680,
36.3961

■ 75.4313, 105.9968,
94.1309

■ 18.6424, 30.7240,
24.4481

■ 98.5247, 135.2200,
122.0679

■ 11.5147, 20.3887,
15.4511

■ 125.9073,
169.3740, 155.0485

■ 6.4840, 12.6779,
8.9865

■ 157.9445,
208.8432, 193.4913

■ 3.1850, 7.2071,
4.6357

195.0015,
254.0119, 237.8148

■ 1.2523, 3.5920,
1.9802

237.4439,

■ 0.1471, 1.4481,

305.2646, 288.4376

0.5430

285.6368,
362.9856, 345.7781

■ 0.0000, 0.2517,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.6506, 60.8052,
51.7135

■ 40.6506, 60.8052,
51.7135

■ 37.6656, 59.3656,
47.1631

■ 44.3911, 62.6310,
56.5905

■ 35.3699, 58.2735,
42.9270

■ 48.9362, 64.8636,
61.7976


■ 33.6941, 57.4949,
38.9978


■ 54.3366, 67.5304,
67.3435


■ 32.5490, 56.9837,
35.3656


■ 60.6370, 70.6545,
73.2352


 32.2112, 56.8367,
34.1226

 67.8793, 74.2574,
79.4794

 76.1025, 78.3589,
86.0828

 84.2657, 82.4225,
93.0010

 85.5798, 82.9482,
99.9209

 86.7602, 83.4203,
106.1367

Harmonies

Analogous

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



44.9983, 60.8052, 33.0406



40.6506, 60.8052, 51.7135



40.5159, 60.8052, 81.0776

Triad

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



40.6506, 60.8052, 51.7135



62.7763, 60.8052, 138.5641



73.3547, 60.8052, 33.8873

Complementary

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



40.6506, 60.8052, 51.7135



41.4878, 27.3943, 31.1205

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.



79.3941, 60.8052, 53.2750



40.6506, 60.8052, 51.7135



72.8098, 60.8052, 116.3610

Square

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



40.6506, 60.8052, 51.7135



52.4825, 60.8052, 137.7665



79.1836, 60.8052, 83.1821



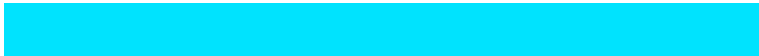
63.4513, 60.8052, 25.0552

Rectangle

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



40.6506, 60.8052, 51.7135



42.7863, 60.8052, 103.6443



79.1836, 60.8052, 83.1821



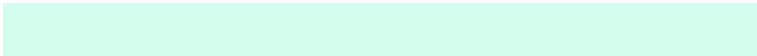
75.9541, 60.8052, 39.0824

Sweetspot

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



40.6523, 60.8076, 51.7149



78.3027, 91.6619, 94.7663



41.9480, 62.1437, 21.5894



16.3881, 19.4348, 19.9455



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.



40.6523, 60.8076, 51.7149



48.3488, 76.9535, 60.2320



42.5728, 55.3214, 81.1102



14.5613, 16.2380, 17.2208



18.8435, 33.1695, 20.2082



1.4375, 2.4691, 1.7303

Inverse Universe

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



41.4878, 27.3943, 31.1205



49.5711, 29.3720, 31.0664



39.9424, 29.2529, 15.3466



14.6042, 14.4589, 16.1160



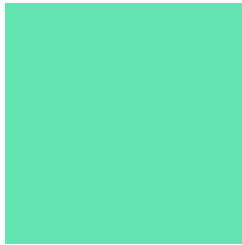
19.5287, 9.9457, 6.4130



1.4873, 0.7526, 0.7067

Previews

White Background



This preview shows how the XYZ color 40.6506, 60.8052, 51.7135 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 40.6506, 60.8052, 51.7135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

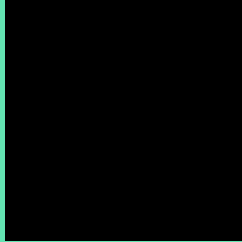
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

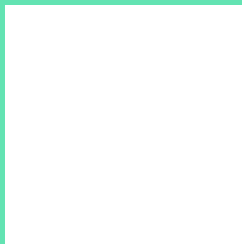
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.6506, 60.8052, 51.7135

Background



This preview shows how black text looks on a background with the XYZ color 40.6506, 60.8052, 51.7135.

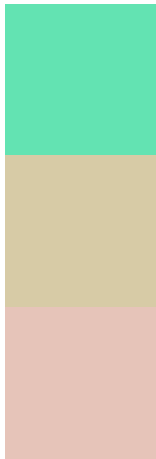


This preview shows how white text looks on a background with the XYZ color 40.6506, 60.8052,

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

40.6506, 60.8052, 51.7135

Protanopia

56.2632, 59.9121, 44.6752

Deuteranopia

61.1300, 59.8056, 54.2207



Tritanopia

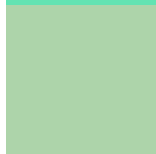
48.0888, 60.6290, 89.2888

Trichromacy



Original Color

40.6506, 60.8052, 51.7135



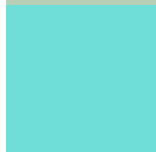
Protanomaly

48.0328, 58.8735, 46.8623



Deuteranomaly

50.0477, 57.9481, 52.8033



Tritanomaly

45.0715, 60.5799, 74.2833

Monochromacy



Original Color

40.6506, 60.8052, 51.7135



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

41.7128, 50.8584, 51.3342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6506, 60.8052, 51.7135 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(99, 227, 178)` looks like.

```
.text, #text, p{  
    color:rgb(99, 227, 178)  
}
```

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(99, 227, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 227, 178) }
```

Border

The CSS property to change the border of an element to XYZ 40.6506, 60.8052, 51.7135 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(99, 227, 178) }
```


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

```
.border{ border-color:rgb(99, 227, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 227, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 227, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 227, 178);  
box-shadow:4px 4px 4px 4px rgb(99, 227,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6506, 60.8052, 51.7135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 227, 178) }
```

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

```
.background{ background-color: rgb(99, 227,  
178) }
```

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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