

Converting Colors

XYZ(40.1754, 49.5580, 61.0750)

Have a look what the booklet for
XYZ(40.1754, 49.5580, 61.0750)
contains.

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Color

**XYZ(40.0600, 49.4519,
60.8599)**

Conversions

Conversions Part 1

Format	Color
Hex	85C6C6
RGB	133, 198, 198
RGB Percent	52%, 78%, 78%
CMY	0.4784, 0.2235, 0.2235
CMYK	0.33, 0.00, 0.00, 0.22
HSL	180°, 36%, 65%
HSV	180°, 33%, 78%
XYZ	40.0600, 49.4519, 60.8599
YIQ	178.5650, -38.7400, -13.7800

Conversions

Conversions Part 2

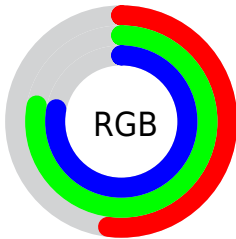
Format	Color
R_{YB}	133, 166, 198
Decimal	8767174
CIE _{Lab}	75.73, -20.51, -6.59
CIE _{LCh}	76, 21.546, 197.810
Yxy	49.4519, 0.2664, 0.3289
Android (android.graphics.Color)	4286957254 (0xFF85C6C6)
YUV	178.5650, 9.5815, -39.9605
Hunter-Lab	70.3220, -21.3784, -2.0868

Details

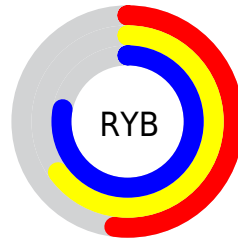
The XYZ color **40.0600, 49.4519, 60.8599** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.9116, 30.4757, 26.1818**, and the grayscale version is **42.5830, 44.8006, 48.7879**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **18.3156, 23.6656, 29.9881** is the 20% darker color. If you saturate the color by 10%, you get **37.2242, 47.9912, 60.7279**, and if you desaturate by 10%, it is **43.4880, 51.2203, 61.0218**.

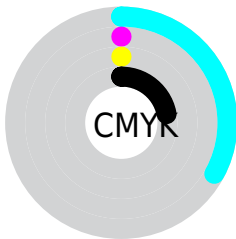
Distribution



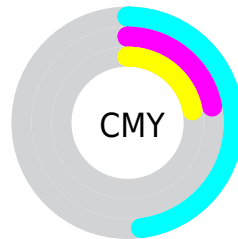
- Red (52%)
- Green (78%)
- Blue (78%)



- Red (52%)
- Yellow (65%)
- Blue (78%)



- Cyan (33%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)



- Cyan (48%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0600, 49.4519, 60.8599 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 40.0600, 49.4519, 60.8599 by changing the saturation by 10% instead.

■ 40.0600, 49.4519,
60.8599

■ 40.0600, 49.4519,
60.8599

337.5065,
384.5186, 445.6525

■ 27.7697, 34.9781,
43.6823

■ 74.5386, 89.3623,
107.6316

■ 18.2917, 23.6460,
30.0855

■ 97.4577, 115.5676,
138.0628

■ 11.2606, 15.0712,
19.6509

■ 124.6505,
146.4522, 173.7489

■ 6.3110, 8.8694,
11.9600

156.4822,
182.4005, 215.1085

■ 3.0775, 4.6561,
6.5942

193.3183,
223.7970, 262.5601

■ 1.1949, 2.0469,
3.1351

235.5242,

■ 0.1023, 0.6345,

271.0258, 316.5223

1.1640

283.4651,
324.4716, 377.4135

■ 0.0000, 0.0000,
0.0000

■ 40.0600, 49.4519,
60.8599

■ 40.0600, 49.4519,
60.8599

■ 37.2242, 47.9912,
60.7279

■ 43.4880, 51.2203,
61.0218

■ 34.9430, 46.8152,
60.6207

■ 47.5343, 53.3063,
61.2115

■ 33.1814, 45.9071,
60.5379

■ 52.2290, 55.7265,
61.4316

■ 31.8985, 45.2458,
60.4775

■ 57.5988, 58.4947,
61.6833

■ 31.0475, 44.8070,
60.4372

■ 63.6688, 61.6238,
61.9678

■ 30.5719, 44.5619,
60.4146

■ 70.4629, 65.1264,
62.2861

■ 30.3876, 44.4669,
60.4057

■ 71.6286, 65.7273,
62.3411

■ 71.6287, 65.7273,
62.3415

■ 71.6288, 65.7273,
62.3419

Harmonies

Analogous

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



39.8850, 49.4519, 49.3306



40.0600, 49.4519, 60.8599



42.0288, 49.4519, 71.8504

Triad

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



40.0600, 49.4519, 60.8599



52.9286, 49.4519, 70.0168



48.6437, 49.4519, 35.0722

Complementary

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



40.0600, 49.4519, 60.8599



35.9116, 30.4757, 26.1818

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.



52.3540, 49.4519, 39.1305



40.0600, 49.4519, 60.8599



54.9202, 49.4519, 58.6261

Square

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



40.0600, 49.4519, 60.8599



49.3921, 49.4519, 77.6307



54.7042, 49.4519, 47.3904



44.6913, 49.4519, 35.4935

Rectangle

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



40.0600, 49.4519, 60.8599



44.1599, 49.4519, 76.8990



54.7042, 49.4519, 47.3904



49.9646, 49.4519, 35.9309

Sweetspot

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



40.0615, 49.4539, 60.8610



86.2827, 95.4803, 108.4890



34.2740, 47.1588, 29.4875



18.2251, 20.3115, 23.2097



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.



40.0615, 49.4539, 60.8610



67.4329, 85.7629, 107.6048



33.6099, 36.5504, 58.7117



10.9467, 12.0676, 13.6697



19.7611, 28.9168, 39.2818



0.9357, 1.3692, 1.8600

Inverse Universe

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



35.9116, 30.4757, 26.1818



59.0161, 47.2714, 37.2683



40.8742, 40.4013, 27.8353



10.6339, 10.6370, 11.0555



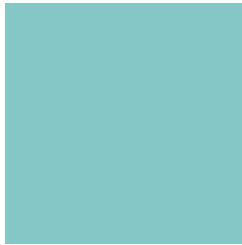
15.1453, 7.8077, 0.7089



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 40.0600, 49.4519, 60.8599 looks on a white background.

Color Contrast Check

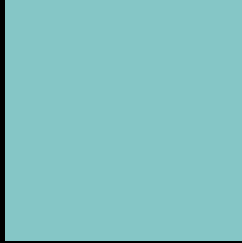
Large Text (above 18pt) WCAG AA × Fail

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 40.0600, 49.4519, 60.8599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

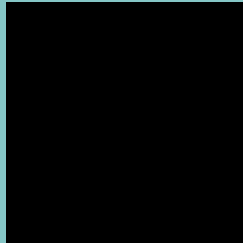
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0600, 49.4519, 60.8599

Background



This preview shows how black text looks on a background with the XYZ color 40.0600, 49.4519, 60.8599.

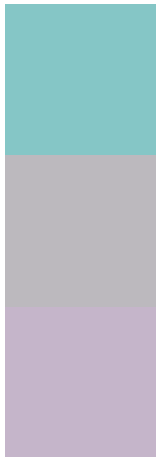


This preview shows how white text looks on a background with the XYZ color 40.0600, 49.4519,

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

40.0600, 49.4519, 60.8599

Protanopia

47.3823, 49.1070, 55.6965

Deuteranopia

50.2105, 49.1823, 62.7239



Tritanopia

41.7769, 49.4676, 69.6337

Trichromacy



Original Color

40.0600, 49.4519, 60.8599

Protanomaly

44.1875, 49.0020, 57.5815

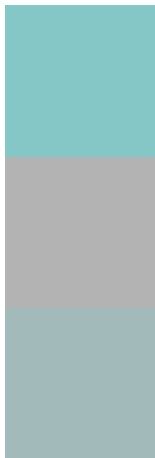
Deuteranomaly

45.7685, 48.7564, 62.2570

Tritanomaly

41.2204, 49.5884, 66.4305

Monochromacy



Original Color

40.0600, 49.4519, 60.8599

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.3221, 46.3444, 53.2218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0600, 49.4519, 60.8599 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(133, 198, 198)` looks like.

```
.text, #text, p{  
    color:rgb(133, 198, 198)  
}
```

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(133, 198, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 198, 198) }
```

Border

The CSS property to change the border of an element to XYZ 40.0600, 49.4519, 60.8599 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(133, 198, 198) }
```


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

```
.border{ border-color:rgb(133, 198, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 198, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 198, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 198, 198);  
box-shadow:4px 4px 4px 4px rgb(133, 198,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0600, 49.4519, 60.8599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 198, 198) }
```

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

```
.background{ background-color: rgb(133,  
198, 198) }
```

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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