

Converting Colors

XYZ(40.6062, 55.9706, 55.6770)

Have a look what the booklet for
XYZ(40.6062, 55.9706, 55.6770)
contains.

XYZ(40.6062, 55.9706, 55.6770)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.6062, 55.9706,
55.6770)**

Conversions

Conversions Part 1

Format	Color
Hex	75D7BB
RGB	117, 215, 187
RGB Percent	46%, 84%, 73%
CMY	0.5412, 0.1568, 0.2667
CMYK	0.46, 0.00, 0.13, 0.16
HSL	163°, 55%, 65%
HSV	163°, 46%, 84%
XYZ	40.6062, 55.9706, 55.6770
YIQ	182.5060, -49.4200, -29.4840

Conversions

Conversions Part 2

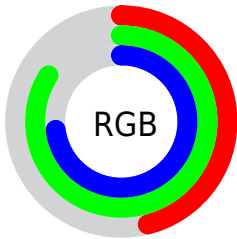
Format	Color
RYB	117, 174, 215
Decimal	7722939
CIELab	79.60, -35.48, 4.89
CIELCh	80, 35.814, 172.151
Yxy	55.9706, 0.2667, 0.3676
Android (android.graphics.Color)	4285913019 (0xFF75D7BB)
YUV	182.5060, 2.2155, -57.4488
Hunter-Lab	74.8135, -34.0400, 8.2452

Details

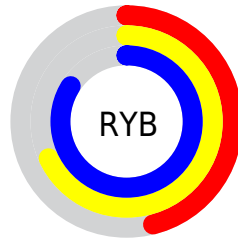
The XYZ color **40.6062, 55.9706, 55.6770** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **39.4983, 29.2155, 30.3475**, and the grayscale version is **44.7483, 47.0787, 51.2687**.

A 20% lighter version of the original color is **69.3932, 86.9897, 97.9273**, and **18.6775, 27.7926, 26.9344** is the 20% darker color. If you saturate the color by 10%, you get **37.3991, 54.3931, 52.1677**, and if you desaturate by 10%, it is **44.5080, 57.9058, 59.3681**.

Distribution



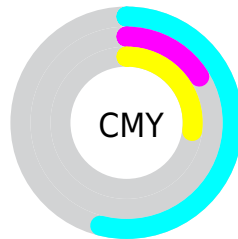
- Red (46%)
- Green (84%)
- Blue (73%)



- Red (46%)
- Yellow (68%)
- Blue (84%)



- Cyan (46%)
- Magenta (0%)
- Yellow (13%)
- Black (16%)





- Cyan (54%)
- Magenta (16%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6062, 55.9706, 55.6770 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 40.6062, 55.9706, 55.6770 by changing the saturation by 10% instead.


 40.6062, 55.9706,
55.6770


 40.6062, 55.9706,
55.6770


339.7628,
409.5807, 425.8272


 28.1978, 40.1794,
39.5418


 75.3642, 98.9616,
100.0132

 18.6160, 27.6784,
26.8704


 98.4446, 126.9301,
129.0513

 11.4955, 18.0834,
17.2443


 125.8130,
159.7265, 163.2274

 6.4709, 11.0099,
10.2450

157.8347,
197.7352, 202.9601

 3.1768, 6.0735,
5.4540

194.8752,
241.3406, 248.6678

 1.2480, 2.8898,
2.4527

237.2999,

 0.1437, 1.0745,

290.9270, 300.7692

0.8149

285.4739,
346.8789, 359.6828

■ 0.0000, 0.0000,
0.0000

■ 40.6062, 55.9706,
55.6770

■ 40.6062, 55.9706,
55.6770

■ 37.3991, 54.3931,
52.1677

■ 44.5080, 57.9058,
59.3681

■ 34.8355, 53.1427,
48.8324

■ 49.1417, 60.2137,
63.2410

■ 32.8648, 52.1947,
45.6681


■ 54.5476, 62.9163,
67.3004


■ 31.4263, 51.5180,
42.6700


■ 60.7614, 66.0320,
71.5498


■ 30.4452, 51.0741,
39.8328


■ 67.8167, 69.5781,
75.9923

 30.0984, 50.9216,
38.6270

 75.7452, 73.5709,
80.6313

 79.8251, 75.5762,
85.2473

 80.7033, 75.9275,
89.8721

 81.6123, 76.2911,
94.6588

Harmonies

Analogous

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



42.9796, 55.9706, 39.6726



40.6062, 55.9706, 55.6770



41.3574, 55.9706, 77.1823

Triad

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



40.6062, 55.9706, 55.6770



58.6019, 55.9706, 105.6383



62.1714, 55.9706, 34.6476

Complementary

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



40.6062, 55.9706, 55.6770



39.4983, 29.2155, 30.3475

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.



67.1078, 55.9706, 47.1571



40.6062, 55.9706, 55.6770



64.9206, 55.9706, 88.7119

Square

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



40.6062, 55.9706, 55.6770



51.3266, 55.9706, 109.3757



68.1569, 55.9706, 66.5299



55.1151, 55.9706, 29.4515

Rectangle

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



40.6062, 55.9706, 55.6770



43.5630, 55.9706, 91.6791



68.1569, 55.9706, 66.5299



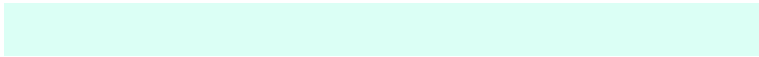
64.1591, 55.9706, 37.9810

Sweetspot

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



40.6078, 55.9728, 55.6783



81.5146, 93.2070, 99.9201



39.4384, 56.0352, 25.5679



17.0472, 19.7497, 21.1015



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.



40.6078, 55.9728, 55.6783



55.0536, 80.0504, 76.7898



39.2084, 47.9000, 71.4716



12.6339, 14.0445, 15.1523



18.0495, 30.4751, 23.3539



1.1235, 1.8521, 1.5921

Inverse Universe

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



39.4983, 29.2155, 30.3475



53.2439, 35.8252, 35.0416



40.1259, 33.5108, 21.1840



12.5677, 12.4786, 13.6638



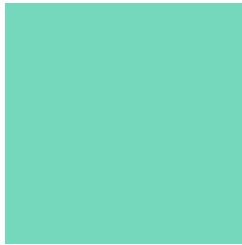
17.3125, 8.8613, 3.6835



1.0798, 0.5487, 0.4094

Previews

White Background



This preview shows how the XYZ color 40.6062, 55.9706, 55.6770 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 40.6062, 55.9706, 55.6770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

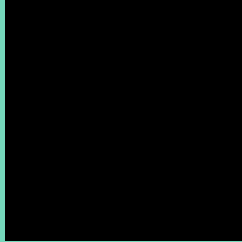
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

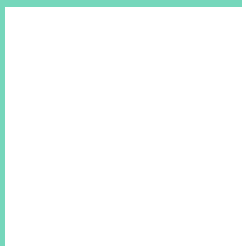
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.6062, 55.9706, 55.6770

Background



This preview shows how black text looks on a background with the XYZ color 40.6062, 55.9706, 55.6770.



This preview shows how white text looks on a background with the XYZ color 40.6062, 55.9706,

55.6770.

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

40.6062, 55.9706, 55.6770

Protanopia

52.3528, 55.0419, 49.4598

Deuteranopia

56.2468, 55.2316, 57.5654



Tritanopia

45.4300, 55.6811, 80.3046

Trichromacy



Original Color

40.6062, 55.9706, 55.6770



Protanomaly

46.4743, 54.3479, 51.7568



Deuteranomaly

48.5401, 54.2679, 56.6316



Tritanomaly

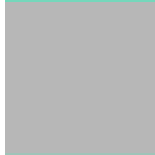
43.4901, 55.6271, 70.7323

Monochromacy



Original Color

40.6062, 55.9706, 55.6770



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

42.4649, 49.8618, 52.7336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6062, 55.9706, 55.6770 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(117, 215, 187)` looks like.

```
.text, #text, p{  
    color:rgb(117, 215, 187)  
}
```

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(117, 215, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 215, 187) }
```

Border

The CSS property to change the border of an element to XYZ 40.6062, 55.9706, 55.6770 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(117, 215, 187) }
```


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

```
.border{ border-color:rgb(117, 215, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 215, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 215, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 215, 187);  
box-shadow:4px 4px 4px 4px rgb(117, 215,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6062, 55.9706, 55.6770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 215, 187) }
```

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

```
.background{ background-color: rgb(117,  
215, 187) }
```

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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