

Converting Colors

XYZ(40.4974, 56.1315, 62.9622)

Have a look what the booklet for
XYZ(40.4974, 56.1315, 62.9622)
contains.

XYZ(40.4582, 56.1188, 62.7325)	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(40.4582, 56.1188,
62.7325)**

Conversions

Conversions Part 1

Format	Color
Hex	67D8C7
RGB	103, 216, 199
RGB Percent	40%, 85%, 78%
CMY	0.5961, 0.1529, 0.2196
CMYK	0.52, 0.00, 0.08, 0.15
HSL	171°, 59%, 63%
HSV	171°, 52%, 85%
XYZ	40.4582, 56.1188, 62.7325
YIQ	180.2750, -61.8910, -29.2430

Conversions

Conversions Part 2

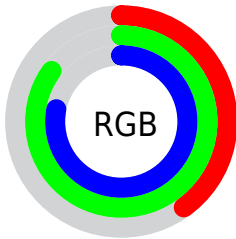
Format	Color
RYB	103, 164, 216
Decimal	6805703
CIELab	79.68, -36.30, -1.45
CIELCh	80, 36.329, 182.292
Yxy	56.1188, 0.2540, 0.3523
Android (android.graphics.Color)	4284995783 (0xFF67D8C7)
YUV	180.2750, 9.2314, -67.7702
Hunter-Lab	74.9125, -34.6938, 2.7887

Details

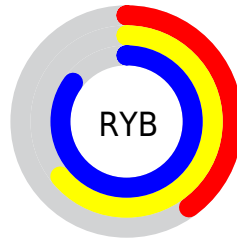
The XYZ color **40.4582, 56.1188, 62.7325** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.5612, 25.6571, 20.7967**, and the grayscale version is **43.5074, 45.7731, 49.8469**.

A 20% lighter version of the original color is **68.7103, 86.4214, 107.6673**, and **18.5833, 27.9091, 31.1956** is the 20% darker color. If you saturate the color by 10%, you get **37.9204, 54.8550, 60.6659**, and if you desaturate by 10%, it is **43.6472, 57.7201, 64.8741**.

Distribution



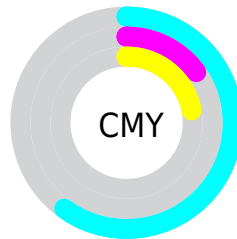
- Red (40%)
- Green (85%)
- Blue (78%)



- Red (40%)
- Yellow (64%)
- Blue (85%)



- Cyan (52%)
- Magenta (0%)
- Yellow (8%)
- Black (15%)





- Cyan (60%)
- Magenta (15%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4582, 56.1188, 62.7325 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 40.4582, 56.1188, 62.7325 by changing the saturation by 10% instead.


 40.4582, 56.1188,
62.7325


 40.4582, 56.1188,
62.7325

339.1524,
410.1391, 452.6792


 28.0818, 40.2982,
45.1852


 75.1407, 99.1783,
110.3653


 18.5281, 27.7711,
31.2593

 98.1774, 127.1859,
141.2880

 11.4318, 18.1532,
20.5363


 125.4983,
160.0246, 177.5062

 6.4275, 11.0600,
12.5975

 157.4687,
198.0789, 219.4385

 3.1498, 6.1072,
7.0245

194.4539,
241.7331, 267.5034

 1.2335, 2.9104,
3.3988

236.8194,

 0.1326, 1.0851,

291.3716, 322.1194

1.3017

284.9305,
347.3788, 383.7052

■ 0.0000, 0.0000,
0.0632

■ 0.0000, 0.0000,
0.0000

■ 40.4582, 56.1188,
62.7325

■ 40.4582, 56.1188,
62.7325

■ 37.9204, 54.8550,
60.6659

■ 43.6472, 57.7201,
64.8741

■ 35.9786, 53.8962,
58.6678


■ 47.5275, 59.6754,
67.0892


■ 34.5763, 53.2146,
56.7365


■ 52.1418, 62.0082,
69.3812


■ 33.6440, 52.7743,
54.8685

■ 57.5278, 64.7379,
71.7521


 33.1565, 52.5535,
53.4713

 63.7207, 67.8826,
74.2039

 70.7535, 71.4593,
76.7383

 78.6572, 75.4841,
79.3571

 79.3876, 75.8099,
81.6840

 79.8354, 75.9890,
84.0417

Harmonies

Analogous

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



41.8079, 56.1188, 44.1901



40.4582, 56.1188, 62.7325



42.2890, 56.1188, 85.3069

Triad

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



40.4582, 56.1188, 62.7325



61.2295, 56.1188, 101.9760



60.1653, 56.1188, 31.8794

Complementary

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



40.4582, 56.1188, 62.7325



36.5612, 25.6571, 20.7967

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.



66.1641, 56.1188, 41.9752



40.4582, 56.1188, 62.7325



66.8170, 56.1188, 81.8615

Square

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



40.4582, 56.1188, 62.7325



53.9049, 56.1188, 110.9671



68.6996, 56.1188, 59.5036



52.7775, 56.1188, 28.9921

Rectangle

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



40.4582, 56.1188, 62.7325



45.1740, 56.1188, 98.9285



68.6996, 56.1188, 59.5036



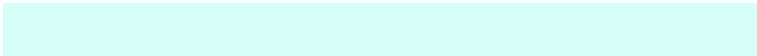
62.4335, 56.1188, 34.4077

Sweetspot

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



40.4598, 56.1210, 62.7338



80.6272, 92.6771, 103.1480



35.0083, 54.2187, 21.4533



16.9082, 19.6596, 21.9243



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.



40.4598, 56.1210, 62.7338



54.8116, 79.6781, 87.9649



33.9768, 39.8170, 70.8629



12.7081, 14.0743, 15.5435



19.6565, 31.1180, 31.8166



1.2079, 1.8858, 2.0364

Inverse Universe

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



36.5612, 25.6571, 20.7967



48.5750, 30.6482, 20.6580



40.2448, 34.5317, 17.3773



12.4987, 12.4510, 13.3002



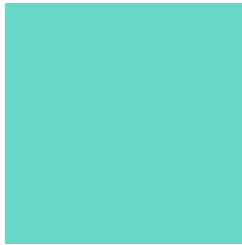
16.9451, 8.7144, 1.7491



1.0467, 0.5355, 0.2355

Previews

White Background



This preview shows how the XYZ color 40.4582, 56.1188, 62.7325 looks on a white background.

Color Contrast Check

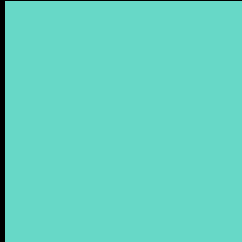
Large Text (above 18pt) WCAG AA × Fail

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 40.4582, 56.1188, 62.7325 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

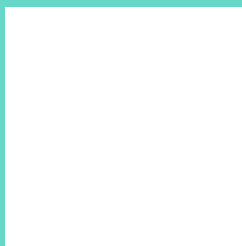
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.4582, 56.1188, 62.7325

Background



This preview shows how black text looks on a background with the XYZ color 40.4582, 56.1188, 62.7325.



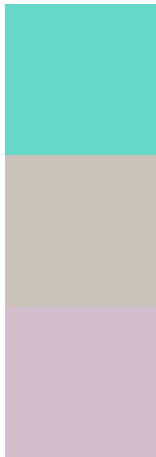
This preview shows how white text looks on a background with the XYZ color 40.4582, 56.1188,

62.7325.

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

40.4582, 56.1188, 62.7325

Protanopia

52.8419, 55.1746, 54.8784

Deuteranopia

56.2969, 55.0836, 65.4226



Tritanopia

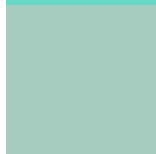
44.4964, 56.2548, 82.6418

Trichromacy



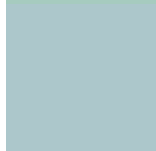
Original Color

40.4582, 56.1188, 62.7325



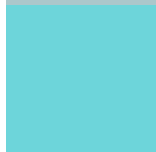
Protanomaly

46.4858, 54.5805, 57.3752



Deuteranomaly

48.2162, 53.9293, 64.3680



Tritanomaly

42.7558, 55.9017, 74.8663

Monochromacy



Original Color

40.4582, 56.1188, 62.7325



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

40.9885, 48.4032, 54.1961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4582, 56.1188, 62.7325 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(103, 216, 199)` looks like.

```
.text, #text, p{  
    color:rgb(103, 216, 199)  
}
```

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(103, 216, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 216, 199) }
```

Border

The CSS property to change the border of an element to XYZ 40.4582, 56.1188, 62.7325 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(103, 216, 199) }
```


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

```
.border{ border-color:rgb(103, 216, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 216, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 216, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 216, 199);  
box-shadow:4px 4px 4px 4px rgb(103, 216,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4582, 56.1188, 62.7325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 216, 199) }
```

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

```
.background{ background-color: rgb(103,  
216, 199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor