

Converting Colors

XYZ(40.6901, 56.2249, 63.3515)

Have a look what the booklet for
XYZ(40.6901, 56.2249, 63.3515)
contains.

XYZ(40.6901, 56.2249, 63.3515)	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(40.6901, 56.2249,
63.3515)**

Conversions

Conversions Part 1

Format	Color
Hex	68D8C8
RGB	104, 216, 200
RGB Percent	41%, 85%, 78%
CMY	0.5921, 0.1529, 0.2157
CMYK	0.52, 0.00, 0.07, 0.15
HSL	171°, 59%, 63%
HSV	171°, 52%, 85%
XYZ	40.6901, 56.2249, 63.3515
YIQ	180.6880, -61.6160, -28.7200

Conversions

Conversions Part 2

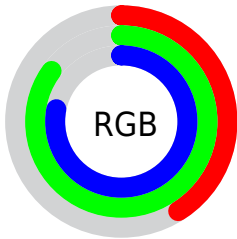
Format	Color
RYB	104, 164, 216
Decimal	6871240
CIELab	79.74, -35.84, -1.89
CIELCh	80, 35.893, 183.026
Yxy	56.2249, 0.2539, 0.3508
Android (android.graphics.Color)	4285061320 (0xFF68D8C8)
YUV	180.6880, 9.5208, -67.2554
Hunter-Lab	74.9833, -34.3567, 2.3956

Details

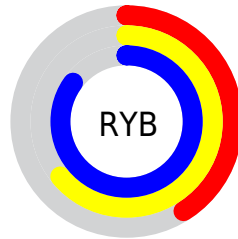
The XYZ color **40.6901, 56.2249, 63.3515** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.6613, 25.8572, 20.8300**, and the grayscale version is **43.7280, 46.0053, 50.0998**.

A 20% lighter version of the original color is **68.9143, 86.5265, 107.6769**, and **18.7325, 27.9771, 31.6069** is the 20% darker color. If you saturate the color by 10%, you get **38.1401, 54.9529, 61.3693**, and if you desaturate by 10%, it is **43.8927, 57.8352, 65.4047**.

Distribution



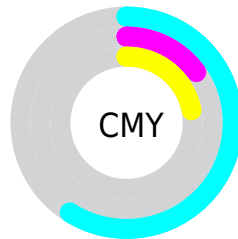
- Red (41%)
- Green (85%)
- Blue (78%)



- Red (41%)
- Yellow (64%)
- Blue (85%)



- Cyan (52%)
- Magenta (0%)
- Yellow (7%)
- Black (15%)





- Cyan (59%)
- Magenta (15%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6901, 56.2249, 63.3515 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 40.6901, 56.2249, 63.3515 by changing the saturation by 10% instead.


 40.6901, 56.2249,
63.3515


 40.6901, 56.2249,
63.3515


340.1085,
410.5385, 454.9870


 28.2636, 40.3833,
45.6828


 75.4909, 99.3333,
111.2669

 18.6659, 27.8375,
31.6487


 98.5960, 127.3689,
142.3507

 11.5317, 18.2032,
20.8307

 125.9912,
160.2379, 178.7433

 6.4956, 11.0960,
12.8103

 158.0421,
198.3248, 220.8633

 3.1922, 6.1314,
7.1689

195.1139,
242.0139, 269.1291

 1.2562, 2.9252,
3.4879

237.5720,

 0.1501, 1.0928,

291.6896, 323.9593

1.3488

285.7817,
347.7364, 385.7724

■ 0.0000, 0.0000,
0.1013

■ 0.0000, 0.0000,
0.0000

■ 40.6901, 56.2249,
63.3515

■ 40.6901, 56.2249,
63.3515

■ 38.1401, 54.9529,
61.3693

■ 43.8927, 57.8352,
65.4047

■ 36.1876, 53.9868,
59.4517


■ 47.7879, 59.8003,
67.5273


■ 34.7769, 53.2992,
57.5970


■ 52.4181, 62.1434,
69.7227


■ 33.8390, 52.8544,
55.8017


■ 57.8209, 64.8840,
71.9930


 33.3287, 52.6224,
54.3781

 64.0313, 68.0401,
74.3400

 71.0823, 71.6286,
76.7653

 78.9287, 75.6263,
79.2672

 79.3453, 75.7930,
81.4609

 79.7695, 75.9626,
83.6946

Harmonies

Analogous

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



41.9516, 56.2249, 44.8334



40.6901, 56.2249, 63.3515



42.5810, 56.2249, 85.6651

Triad

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



40.6901, 56.2249, 63.3515



61.4056, 56.2249, 101.1758



60.0177, 56.2249, 32.0809

Complementary

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



40.6901, 56.2249, 63.3515



36.6613, 25.8572, 20.8300

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.



66.0042, 56.2249, 41.9321



40.6901, 56.2249, 63.3515



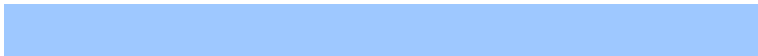
66.8550, 56.2249, 81.1783

Square

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



40.6901, 56.2249, 63.3515



54.1795, 56.2249, 110.3832



68.6088, 56.2249, 59.1356



52.7075, 56.2249, 29.3733

Rectangle

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



40.6901, 56.2249, 63.3515



45.4846, 56.2249, 98.9857



68.6088, 56.2249, 59.1356



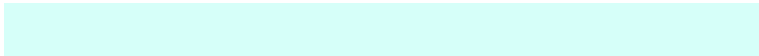
62.2730, 56.2249, 34.5370

Sweetspot

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



40.6917, 56.2271, 63.3528



80.6755, 92.6965, 103.4023



34.9134, 54.1640, 21.7124



16.9198, 19.6643, 21.9855



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.



40.6917, 56.2271, 63.3528



55.3031, 79.9055, 89.1592



33.7880, 39.2682, 70.7669



12.7123, 14.0759, 15.5656



19.7572, 31.1582, 32.3466



1.2130, 1.8879, 2.0636

Inverse Universe

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



36.6613, 25.8572, 20.8300



48.8647, 31.1346, 21.0412



40.6720, 35.3053, 17.7688



12.4948, 12.4494, 13.2800



16.9311, 8.7088, 1.6753



1.0449, 0.5348, 0.2260

Previews

White Background



This preview shows how the XYZ color 40.6901, 56.2249, 63.3515 looks on a white background.

Color Contrast Check

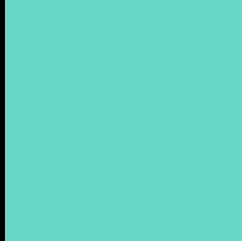
Large Text (above 18pt) WCAG AA × Fail

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 40.6901, 56.2249, 63.3515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

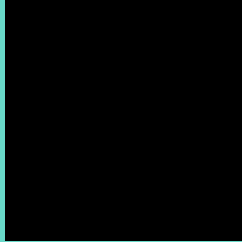
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

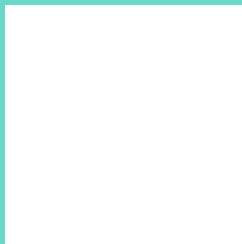
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.6901, 56.2249, 63.3515

Background



This preview shows how black text looks on a background with the XYZ color 40.6901, 56.2249, 63.3515.

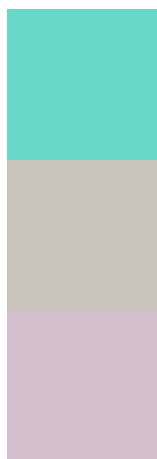


This preview shows how white text looks on a background with the XYZ color 40.6901, 56.2249,

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
40.6901, 56.2249, 63.3515
Protanopia
53.1741, 55.6673, 55.5192
Deuteranopia
56.5142, 55.5183, 65.4951



Tritanopia

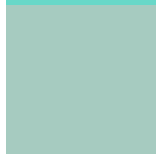
44.6258, 56.3215, 82.6479

Trichromacy



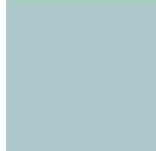
Original Color

40.6901, 56.2249, 63.3515



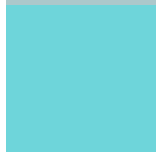
Protanomaly

46.5962, 54.6246, 57.9569



Deuteranomaly

48.4470, 54.3910, 64.4450



Tritanomaly

42.8795, 55.9655, 74.8721

Monochromacy



Original Color

40.6901, 56.2249, 63.3515



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

41.5058, 48.9867, 54.8447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6901, 56.2249, 63.3515 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(104, 216, 200)` looks like.

```
.text, #text, p{  
    color:rgb(104, 216, 200)  
}
```

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(104, 216, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 216, 200) }
```

Border

The CSS property to change the border of an element to XYZ 40.6901, 56.2249, 63.3515 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(104, 216, 200) }
```


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

```
.border{ border-color:rgb(104, 216, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 216, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 216, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 216, 200);  
box-shadow:4px 4px 4px 4px rgb(104, 216,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6901, 56.2249, 63.3515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 216, 200) }
```

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

```
.background{ background-color: rgb(104,  
216, 200) }
```

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