

Converting Colors

XYZ(39.9648, 56.1517, 62.7040)

Have a look what the booklet for
XYZ(39.9648, 56.1517, 62.7040)
contains.

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Color

**XYZ(40.0514, 56.2906,
62.7871)**

Conversions

Conversions Part 1

Format	Color
Hex	61D9C7
RGB	97, 217, 199
RGB Percent	38%, 85%, 78%
CMY	0.6196, 0.1490, 0.2196
CMYK	0.55, 0.00, 0.08, 0.15
HSL	171°, 61%, 62%
HSV	171°, 55%, 85%
XYZ	40.0514, 56.2906, 62.7871
YIQ	179.0680, -65.7420, -31.0380

Conversions

Conversions Part 2

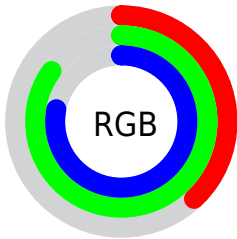
Format	Color
RYB	97, 162, 217
Decimal	6412743
CIELab	79.78, -37.99, -1.33
CIELCh	80, 38.009, 182.010
Yxy	56.2906, 0.2517, 0.3537
Android (android.graphics.Color)	4284602823 (0xFF61D9C7)
YUV	179.0680, 9.8265, -71.9736
Hunter-Lab	75.0271, -36.0094, 2.9016

Details

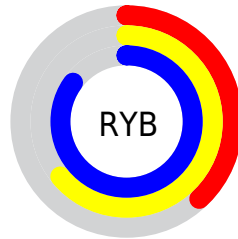
The XYZ color **40.0514, 56.2906, 62.7871** is a light color, and the websafe version is hex **33CCCC**. A complement of this color would be **35.9863, 24.5404, 19.0617**, and the grayscale version is **42.8598, 45.0918, 49.1050**.

A 20% lighter version of the original color is **67.7146, 85.9081, 107.6207**, and **18.1866, 27.7046, 31.1771** is the 20% darker color. If you saturate the color by 10%, you get **37.6742, 55.1097, 60.7248**, and if you desaturate by 10%, it is **43.0722, 57.8051, 64.9242**.

Distribution



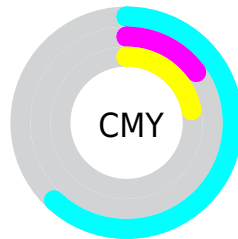
- Red (38%)
- Green (85%)
- Blue (78%)



- Red (38%)
- Yellow (64%)
- Blue (85%)



- Cyan (55%)
- Magenta (0%)
- Yellow (8%)
- Black (15%)





- Cyan (62%)
- Magenta (15%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0514, 56.2906, 62.7871 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 40.0514, 56.2906, 62.7871 by changing the saturation by 10% instead.


 40.0514, 56.2906,
62.7871


 40.0514, 56.2906,
62.7871


337.4709,
410.7857, 452.8831


 27.7630, 40.4360,
45.2291


 74.5256, 99.4293,
110.4449


 18.2866, 27.8786,
31.2937


 97.4422, 127.4822,
141.3818

 11.2569, 18.2342,
20.5622


 124.6321,
160.3700, 177.6154

 6.3085, 11.1182,
12.6163

 156.4609,
198.4770, 219.5643

 3.0760, 6.1464,
7.0372

193.2938,
242.1877, 267.6469

 1.1941, 2.9343,
3.4066

235.4962,

 0.1017, 1.0975,

291.8865, 322.2819

1.3058

283.4334,
347.9577, 383.8878

■ 0.0000, 0.0000,
0.0665

■ 0.0000, 0.0000,
0.0000

■ 40.0514, 56.2906,
62.7871

■ 40.0514, 56.2906,
62.7871

■ 37.6742, 55.1097,
60.7248

■ 43.0722, 57.8051,
64.9242

■ 35.8828, 54.2285,
58.7307


■ 46.7788, 59.6709,
67.1346


■ 34.6173, 53.6174,
56.8028


■ 51.2154, 61.9120,
69.4219


■ 33.8023, 53.2377,
54.9375

■ 56.4211, 64.5486,
71.7882


 33.5127, 53.1071,
54.0791

 62.4321, 67.5995,
74.2354

 69.2825, 71.0821,
76.7654

 77.0042, 75.0129,
79.3799

 79.6505, 76.3263,
81.8008

 80.0991, 76.5057,
84.1631

Harmonies

Analogous

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



41.4858, 56.2906, 43.4969



40.0514, 56.2906, 62.7871



41.9247, 56.2906, 86.5721

Triad

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



40.0514, 56.2906, 62.7871



61.7239, 56.2906, 104.6373



60.7418, 56.2906, 31.0008

Complementary

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



40.0514, 56.2906, 62.7871



35.9863, 24.5404, 19.0617

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.



67.0368, 56.2906, 41.4835



40.0514, 56.2906, 62.7871



67.6409, 56.2906, 83.3760

Square

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



40.0514, 56.2906, 62.7871



54.0224, 56.2906, 114.0611



69.6713, 56.2906, 59.8186



52.9860, 56.2906, 27.9786

Rectangle

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



40.0514, 56.2906, 62.7871



44.9124, 56.2906, 101.0611



69.6713, 56.2906, 59.8186



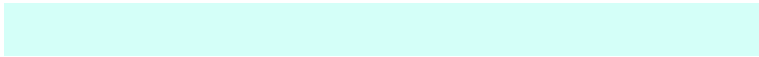
63.1236, 56.2906, 33.6213

Sweetspot

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



40.0530, 56.2928, 62.7884



79.8311, 92.2733, 102.8145



34.3084, 54.2729, 19.9778



16.7511, 19.5800, 21.8575



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.



40.0530, 56.2928, 62.7884



53.9107, 79.2311, 87.1322



33.1780, 38.9974, 71.4267



13.3565, 14.7942, 16.3404



20.3173, 32.1595, 32.8998



1.3395, 2.0928, 2.2540

Inverse Universe

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



35.9863, 24.5404, 19.0617



47.5457, 29.1966, 18.4436



39.7205, 33.5079, 15.6845



13.1353, 13.0832, 13.9735



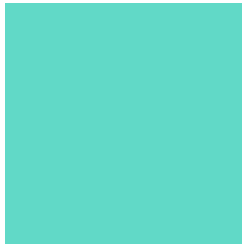
17.5088, 9.0045, 1.7933



1.1599, 0.5936, 0.2512

Previews

White Background



This preview shows how the XYZ color 40.0514, 56.2906, 62.7871 looks on a white background.

Color Contrast Check

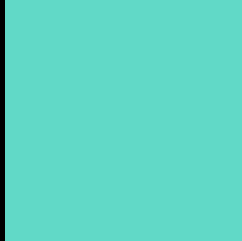
Large Text (above 18pt) WCAG AA × Fail

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 40.0514, 56.2906, 62.7871 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

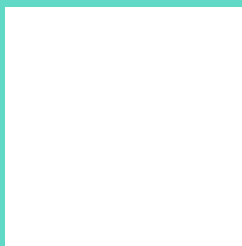
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.0514, 56.2906, 62.7871

Background



This preview shows how black text looks on a background with the XYZ color 40.0514, 56.2906, 62.7871.

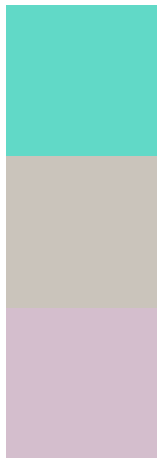


This preview shows how white text looks on a background with the XYZ color 40.0514, 56.2906,

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

40.0514, 56.2906, 62.7871

Protanopia

53.0667, 55.6243, 54.9534

Deuteranopia

56.5843, 55.2317, 65.4361



Tritanopia

44.2615, 56.4898, 83.4337

Trichromacy



Original Color

40.0514, 56.2906, 62.7871



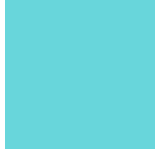
Protanomaly

46.3067, 54.8398, 57.4347



Deuteranomaly

48.0113, 54.1664, 64.4246



Tritanomaly

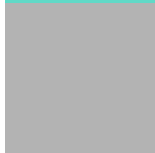
42.5417, 56.1507, 75.6138

Monochromacy



Original Color

40.0514, 56.2906, 62.7871



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

40.3273, 48.0747, 53.6082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0514, 56.2906, 62.7871 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(97, 217, 199)` looks like.

```
.text, #text, p{  
    color:rgb(97, 217, 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(97, 217, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 217, 199) }
```

Border

The CSS property to change the border of an element to XYZ 40.0514, 56.2906, 62.7871 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(97, 217, 199) }
```


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

```
.border{ border-color:rgb(97, 217, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 217, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 217, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 217, 199);  
box-shadow:4px 4px 4px 4px rgb(97, 217,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0514, 56.2906, 62.7871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 217, 199) }
```

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

```
.background{ background-color: rgb(97, 217,  
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](#).

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