

Converting Colors

XYZ(40.6906, 50.2502, 70.5054)

Have a look what the booklet for
XYZ(40.6906, 50.2502, 70.5054)
contains.

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Color

**XYZ(40.6906, 50.2502,
70.5054)**

Conversions

Conversions Part 1

Format	Color
Hex	7AC8D5
RGB	122, 200, 213
RGB Percent	48%, 78%, 84%
CMY	0.5216, 0.2157, 0.1647
CMYK	0.43, 0.06, 0.00, 0.16
HSL	189°, 52%, 66%
HSV	189°, 43%, 84%
XYZ	40.6906, 50.2502, 70.5054
YIQ	178.1600, -50.6610, -12.4930

Conversions

Conversions Part 2

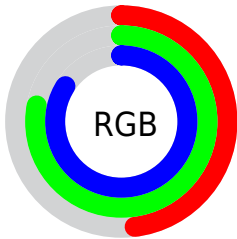
Format	Color
RYB	122, 164, 213
Decimal	8046805
CIELab	76.22, -20.67, -14.02
CIELCh	76, 24.981, 214.152
Yxy	50.2502, 0.2520, 0.3113
Android (android.graphics.Color)	4286236885 (0xFF7AC8D5)
YUV	178.1600, 17.1761, -49.2523
Hunter-Lab	70.8874, -21.5908, -9.3494

Details

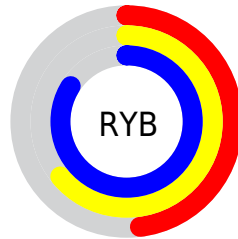
The XYZ color **40.6906, 50.2502, 70.5054** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.6184, 32.8802, 22.6722**, and the grayscale version is **42.3341, 44.5387, 48.5027**.

A 20% lighter version of the original color is **72.4004, 88.3237, 107.8400**, and **18.6304, 24.1502, 36.0273** is the 20% darker color. If you saturate the color by 10%, you get **37.3015, 47.4685, 70.1480**, and if you desaturate by 10%, it is **44.7577, 53.4045, 70.9008**.

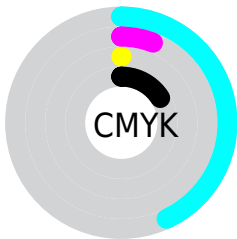
Distribution



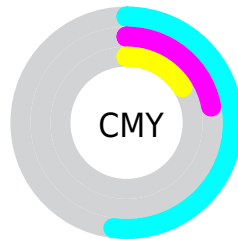
- Red (48%)
- Green (78%)
- Blue (84%)



- Red (48%)
- Yellow (64%)
- Blue (84%)



- Cyan (43%)
- Magenta (6%)
- Yellow (0%)
- Black (16%)



- Cyan (52%)
- Magenta (22%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6906, 50.2502, 70.5054 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 40.6906, 50.2502, 70.5054 by changing the saturation by 10% instead.

40.6906, 50.2502,
70.5054

40.6906, 50.2502,
70.5054

340.1105,
387.6436, 481.1596

28.2640, 35.6122,
51.4593

75.4917, 90.5455,
121.6171

18.6662, 24.1349,
36.1950

98.5969, 116.9716,
154.5197

11.5319, 15.4337,
24.2940

125.9923,
148.0958, 192.8784

6.4957, 9.1243,
15.3376

158.0433,
184.3027, 237.1115

3.1923, 4.8224,
8.9074

195.1153,
225.9765, 287.6376

1.2563, 2.1434,
4.5849

237.5736,

0.1501, 0.6889,

273.5016, 344.8753

1.9514

285.7836,
327.2625, 409.2431

■ 0.0000, 0.0000,
0.5251

■ 0.0000, 0.0000,
0.0000

■ 40.6906, 50.2502,
70.5054

■ 40.6906, 50.2502,
70.5054

■ 37.3015, 47.4685,
70.1480

■ 44.7577, 53.4045,
70.9008

■ 34.5422, 45.0310,
69.8229


■ 49.5380, 56.9463,
71.3325

■ 32.3651, 42.9143,
69.5291

■ 55.0696, 60.8965,
71.8034


■ 30.7140, 41.0891,
69.2638


■ 61.3867, 65.2728,
72.3151

 29.5209, 39.5204,
69.0239


 68.5213, 70.0918,
72.8693

 28.8566, 38.4965,
68.8613

 76.5035, 75.3691,
73.4672

 79.1864, 77.9361,
73.8212

 79.9985, 79.5603,
74.0919

 80.8252, 81.2137,
74.3675

Harmonies

Analogous

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



39.3318, 50.2502, 56.6025



40.6906, 50.2502, 70.5054



43.9422, 50.2502, 81.3577

Triad

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



40.6906, 50.2502, 70.5054



56.3317, 50.2502, 66.7445



47.1123, 50.2502, 32.8136

Complementary

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



40.6906, 50.2502, 70.5054



39.6184, 32.8802, 22.6722

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.



51.7956, 50.2502, 34.6328



40.6906, 50.2502, 70.5054



57.3166, 50.2502, 52.8678

Square

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



40.6906, 50.2502, 70.5054



52.9967, 50.2502, 78.9493



55.6070, 50.2502, 41.4762



42.8826, 50.2502, 36.0277

Rectangle

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



40.6906, 50.2502, 70.5054



46.8498, 50.2502, 84.5857



55.6070, 50.2502, 41.4762



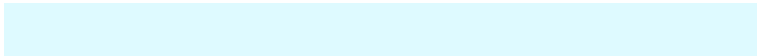
48.6846, 50.2502, 32.8609

Sweetspot

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



40.6921, 50.2522, 70.5066



82.3962, 91.2618, 107.8803



36.1339, 53.4521, 31.0174



17.2202, 19.2400, 23.0560



0.0000, 0.0000, 0.0000



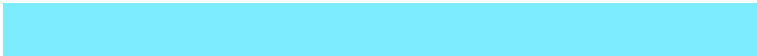
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.6921, 50.2522, 70.5066



56.6177, 71.8114, 105.4847



31.8201, 32.5081, 67.5492



12.6340, 13.7913, 15.9336



17.6841, 23.6300, 42.0822



1.1090, 1.5100, 2.5523

Inverse Universe

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



44.8268, 32.2368, 58.5053



63.7692, 41.9954, 84.4249



47.2019, 48.0472, 25.2001



12.8732, 12.6008, 15.2725



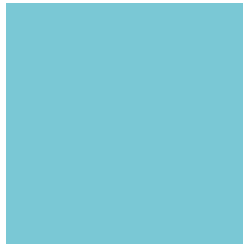
21.9850, 10.7303, 28.2887



1.3474, 0.6558, 1.8188

Previews

White Background



This preview shows how the XYZ color 40.6906, 50.2502, 70.5054 looks on a white background.

Color Contrast Check

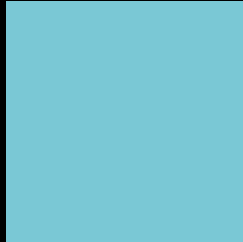
Large Text (above 18pt) WCAG AA × Fail

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 40.6906, 50.2502, 70.5054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

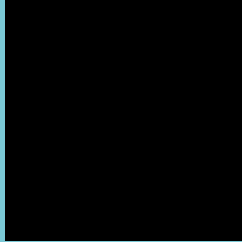
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.6906, 50.2502, 70.5054

Background



This preview shows how black text looks on a background with the XYZ color 40.6906, 50.2502, 70.5054.



This preview shows how white text looks on a background with the XYZ color 40.6906, 50.2502,

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

40.6906, 50.2502, 70.5054

Protanopia

48.4656, 49.7917, 64.1831

Deuteranopia

50.7382, 49.5420, 72.5340



Tritanopia

41.2173, 50.4774, 72.5365

Trichromacy



Original Color

40.6906, 50.2502, 70.5054

Protanomaly

44.7936, 49.4480, 66.2150

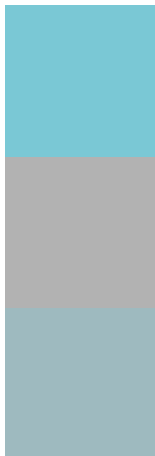
Deuteranomaly

46.3182, 49.4601, 72.0713

Tritanomaly

41.0884, 50.4258, 71.8575

Monochromacy



Original Color

40.6906, 50.2502, 70.5054

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.0634, 46.1485, 56.0335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6906, 50.2502, 70.5054 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(122, 200, 213)` looks like.

```
.text, #text, p{  
    color:rgb(122, 200, 213)  
}
```

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(122, 200, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 200, 213) }
```

Border

The CSS property to change the border of an element to XYZ 40.6906, 50.2502, 70.5054 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(122, 200, 213) }
```


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

```
.border{ border-color:rgb(122, 200, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 200, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 200, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 200, 213);  
box-shadow:4px 4px 4px 4px rgb(122, 200,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6906, 50.2502, 70.5054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 200, 213) }
```

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

```
.background{ background-color: rgb(122,  
200, 213) }
```

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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