

Converting Colors

XYZ(39.4900, 48.0461, 23.0197)

Have a look what the booklet for
XYZ(39.4900, 48.0461, 23.0197)
contains.

XYZ(39.5661, 48.0281, 23.1046)	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(39.5661, 48.0281,
23.1046)**

Conversions

Conversions Part 1

Format	Color
Hex	AFC072
RGB	175, 192, 114
RGB Percent	69%, 75%, 45%
CMY	0.3137, 0.2470, 0.5529
CMYK	0.09, 0.00, 0.41, 0.25
HSL	73°, 38%, 60%
HSV	73°, 41%, 75%
XYZ	39.5661, 48.0281, 23.1046
YIQ	178.0250, 14.9060, -27.8620

Conversions

Conversions Part 2

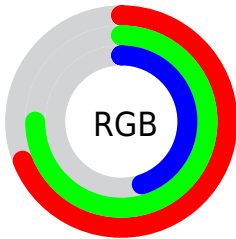
Format	Color
RYB	114, 192, 131
Decimal	11518066
CIELab	74.84, -18.23, 37.33
CIELCh	75, 41.546, 116.024
Yxy	48.0281, 0.3574, 0.4339
Android (android.graphics.Color)	4289708146 (0xFFAFC072)
YUV	178.0250, -31.5643, -2.6529
Hunter-Lab	69.3023, -19.3698, 28.7450

Details

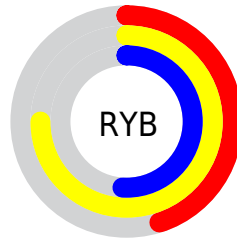
The XYZ color **39.5661, 48.0281, 23.1046** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.8936, 20.6670, 52.5489**, and the grayscale version is **42.4874, 44.7001, 48.6784**.

A 20% lighter version of the original color is **73.8212, 87.0806, 49.4767**, and **18.0432, 22.9004, 8.3197** is the 20% darker color. If you saturate the color by 10%, you get **37.6614, 47.1610, 17.8973**, and if you desaturate by 10%, it is **41.7317, 49.0062, 29.5235**.

Distribution



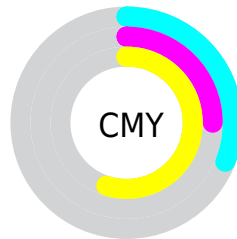
- Red (69%)
- Green (75%)
- Blue (45%)



- Red (45%)
- Yellow (75%)
- Blue (51%)



- Cyan (9%)
- Magenta (0%)
- Yellow (41%)
- Black (25%)



- Cyan (31%)
- Magenta (25%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5661, 48.0281, 23.1046 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 39.5661, 48.0281, 23.1046 by changing the saturation by 10% instead.

■ 39.5661, 48.0281,
23.1046

■ 39.5661, 48.0281,
23.1046

335.4572,
378.9035, 281.4011

■ 27.3831, 33.8491,
14.4647

■ 73.7909, 87.2462,
49.4904

■ 17.9992, 22.7777,
8.3022

■ 96.5634, 113.0542,
68.0734

■ 11.0491, 14.4295,
4.1984

■ 123.5964,
143.5073, 90.8079

■ 6.1674, 8.4200,
1.7348

155.2554,
178.9899, 118.1124

■ 2.9888, 4.3648,
0.3844

191.9055,
219.8865, 150.4054

■ 1.1478, 1.8797,
0.0000

233.9124,

■ 0.0646, 0.5361,

266.5813, 188.1055

0.0000

281.6411,
319.4589, 231.6312

■ 0.0000, 0.0000,
0.0000

■ 39.5661, 48.0281,
23.1046

■ 39.5661, 48.0281,
23.1046

■ 37.6614, 47.1610,
17.8973

■ 41.7317, 49.0062,
29.5235

■ 35.9994, 46.3927,
13.8224

■ 44.1682, 50.0944,
37.2205

■ 34.5648, 45.7186,
10.7958

■ 46.8892, 51.2999,
46.2610


■ 33.3390, 45.1314,
8.7209


■ 49.9063, 52.6272,
56.7050


■ 32.2999, 44.6221,
7.4828


■ 53.2305, 54.0809,
68.6089

 31.4555, 44.1994,
6.8735

 56.8721, 55.6650,
82.0259

 60.8411, 57.3836,
97.0066

 63.0498, 58.4017,
102.5573

 64.2460, 59.0183,
102.6133

Harmonies

Analogous

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



46.6642, 48.0281, 20.7965



39.5661, 48.0281, 23.1046



34.6285, 48.0281, 32.3155

Triad

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



39.5661, 48.0281, 23.1046



38.0009, 48.0281, 94.9523



61.7334, 48.0281, 55.2331

Complementary

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



39.5661, 48.0281, 23.1046



24.8936, 20.6670, 52.5489

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.



58.7905, 48.0281, 79.1682



39.5661, 48.0281, 23.1046



44.6492, 48.0281, 105.7636

Square

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



39.5661, 48.0281, 23.1046



33.7973, 48.0281, 72.7604



52.3260, 48.0281, 99.3116



59.9911, 48.0281, 36.0784

Rectangle

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



39.5661, 48.0281, 23.1046



32.9508, 48.0281, 42.8742



52.3260, 48.0281, 99.3116



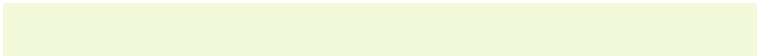
61.2514, 48.0281, 63.0024

Sweetspot

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



39.5673, 48.0302, 23.1056



84.1486, 92.5910, 81.0858



32.8800, 28.6285, 19.7132



17.9096, 19.8006, 16.9143



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



39.5673, 48.0302, 23.1056



68.5095, 85.5738, 33.1390



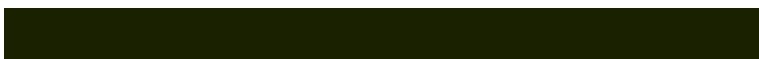
32.0581, 44.1591, 22.7542



10.6916, 11.6440, 10.7459



21.2333, 29.7750, 4.6280



0.9721, 1.3147, 0.2025

Inverse Universe

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



24.8936, 20.6670, 52.5489



38.2408, 29.0749, 93.9568



32.0893, 24.3765, 52.8857



9.7291, 9.8515, 12.6736



7.0961, 2.9186, 33.7460



0.3671, 0.1573, 1.4609

Previews

White Background



This preview shows how the XYZ color 39.5661, 48.0281, 23.1046 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 39.5661, 48.0281, 23.1046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

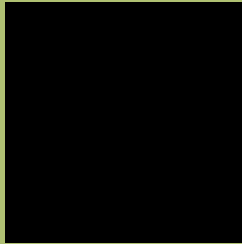
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.5661, 48.0281, 23.1046

Background



This preview shows how black text looks on a background with the XYZ color 39.5661, 48.0281, 23.1046.



This preview shows how white text looks on a background with the XYZ color 39.5661, 48.0281,

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

39.5661, 48.0281, 23.1046

Protanopia

44.0971, 47.8462, 21.9500

Deuteranopia

48.9195, 47.8883, 23.8046



Tritanopia

46.8136, 47.8014, 59.5826

Trichromacy



Original Color

39.5661, 48.0281, 23.1046

Protanomaly

42.4332, 47.9170, 22.3417

Deuteranomaly

45.1157, 47.7194, 23.6625

Tritanomaly

43.5900, 47.7316, 43.4749

Monochromacy



Original Color

39.5661, 48.0281, 23.1046

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.9813, 45.5806, 37.6483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5661, 48.0281, 23.1046 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(175, 192, 114)` looks like.

```
.text, #text, p{  
    color:rgb(175, 192, 114)  
}
```

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(175, 192, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 192, 114) }
```

Border

The CSS property to change the border of an element to XYZ 39.5661, 48.0281, 23.1046 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(175, 192, 114) }
```


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

```
.border{ border-color:rgb(175, 192, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 192, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 192, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 192, 114);  
box-shadow:4px 4px 4px 4px rgb(175, 192,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5661, 48.0281, 23.1046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 192, 114) }
```

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

```
.background{ background-color: rgb(175,  
192, 114) }
```

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