

Converting Colors

XYZ(38.6364, 44.9092, 4.5491)

Have a look what the booklet for
XYZ(38.6364, 44.9092, 4.5491)
contains.

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Color

**XYZ(38.9761, 44.9252,
6.6172)**

Conversions

Conversions Part 1

Format	Color
Hex	C2B600
RGB	194, 182, 0
RGB Percent	76%, 71%, 0%
CMY	0.2392, 0.2863, 0.9999
CMYK	0.00, 0.06, 1.00, 0.24
HSL	56°, 100%, 38%
HSV	56°, 100%, 76%
XYZ	38.9761, 44.9252, 6.6172
YIQ	164.8400, 65.5740, -54.0580

Conversions

Conversions Part 2

Format	Color
RYB	13, 194, 0
Decimal	12760576
CIELab	72.84, -11.47, 74.54
CIELCh	73, 75.422, 98.749
Yxy	44.9252, 0.4306, 0.4963
Android (android.graphics.Color)	4290950656 (0xFFC2B600)
YUV	164.8400, -81.2661, 25.5733
Hunter-Lab	67.0263, -13.4973, 41.0650

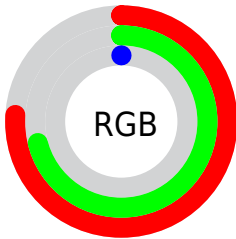
Details

The XYZ color **38.9761, 44.9252, 6.6172** is a dark color, and the websafe version is hex **CCCC33**.

The color can be described as dark washed orange. A complement of this color would be **9.8694, 4.1584, 51.3211**, and the grayscale version is **36.0449, 37.9220, 41.2971**.

A 20% lighter version of the original color is **72.8956, 82.7991, 19.7292**, and **18.1360, 21.1995, 3.1360** is the 20% darker color. If you saturate the color by 10%, you get **38.9767, 44.9268, 6.6174**, and if you desaturate by 10%, it is **39.3449, 45.4692, 7.3378**.

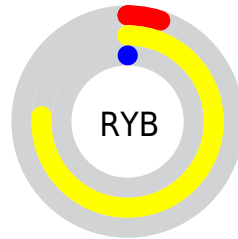
Distribution



Red (76%)

Green (71%)

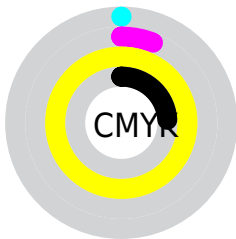
Blue (0%)



Red (5%)

Yellow (76%)

Blue (0%)

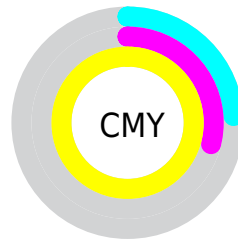


Cyan (0%)

Magenta (6%)

Yellow (100%)

Black (24%)



Cyan (24%)

Magenta (29%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9761, 44.9252, 6.6172 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 38.9761, 44.9252, 6.6172 by changing the saturation by 10% instead.

■ 38.9761, 44.9252,
6.6172

■ 38.9761, 44.9252,
6.6172

332.9978,
366.4705, 173.9523

■ 26.9218, 31.3985,
3.1491

■ 72.8961, 82.6082,
19.6985

■ 17.6508, 20.9025,
1.1713

■ 95.4925, 107.5332,
30.1487

■ 10.7977, 13.0527,
0.0000

■ 122.3336,
137.0265, 43.7633

■ 5.9973, 7.4649,
0.0000

■ 153.7849,
171.4725, 60.9610

■ 2.8841, 3.7545,
0.0000

■ 190.2115,
211.2554, 82.1602

■ 1.0928, 1.5372,
0.0000

■ 231.9790,

■ 0.0190, 0.3147,

256.7598, 107.7795

0.0000

279.4526,
308.3701, 138.2373

■ 0.0000, 0.0000,
0.0000

■ 38.9761, 44.9252,
6.6172

■ 38.9761, 44.9252,
6.6172

■ 38.9767, 44.9268,
6.6174

■ 39.3449, 45.4692,
7.3378

■ 39.8358, 46.0637,
8.6955

■ 40.4929, 46.7281,
10.9176

■ 41.3382, 47.4712,
14.1206

■ 42.3904, 48.3004,
18.4028

■ 43.6660, 49.2224,
23.8507

■ 45.1798, 50.2430,
30.5421

■ 46.9451, 51.3677,
38.5478

■ 48.9746, 52.6015,
47.9337

Harmonies

Analogous

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



52.5129, 44.9252, 7.7494



38.9761, 44.9252, 6.6172



28.7750, 44.9252, 11.4334

Triad

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



38.9761, 44.9252, 6.6172



25.8911, 44.9252, 109.5127



70.7949, 44.9252, 80.0571

Complementary

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



38.9761, 44.9252, 6.6172



9.8694, 4.1584, 51.3211

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.



60.5186, 44.9252, 129.6778



38.9761, 44.9252, 6.6172



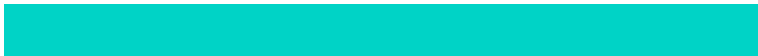
34.1928, 44.9252, 151.8910

Square

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



38.9761, 44.9252, 6.6172



22.3029, 44.9252, 60.7508



46.6540, 44.9252, 160.7245



72.8055, 44.9252, 38.7274

Rectangle

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



38.9761, 44.9252, 6.6172



24.5588, 44.9252, 20.1905



46.6540, 44.9252, 160.7245



68.1049, 44.9252, 96.7920

Sweetspot

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



38.9771, 44.9273, 6.6181



81.7113, 90.9342, 54.6916



22.3205, 11.4986, 1.4222



17.6257, 19.7354, 10.7834



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.



38.9771, 44.9273, 6.6181



70.5460, 81.2556, 11.9657



25.7149, 41.8946, 6.7317



10.8584, 11.6482, 10.7379



25.6486, 29.5829, 4.3582



1.1246, 1.3110, 0.1938

Inverse Universe

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



9.8694, 4.1584, 51.3211



17.8217, 7.4160, 92.9619



13.4009, 5.7839, 51.4487



9.5772, 9.8457, 12.6805



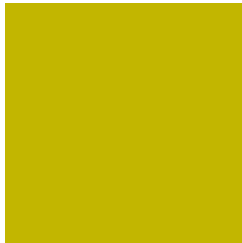
6.5100, 2.7765, 33.7494



0.2989, 0.1551, 1.4641

Previews

White Background



This preview shows how the XYZ color 38.9761, 44.9252, 6.6172 looks on a white background.

Color Contrast Check

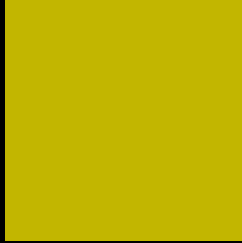
Large Text (above 18pt) WCAG AA × Fail

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 38.9761, 44.9252, 6.6172 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 38.9761, 44.9252, 6.6172

Background



This preview shows how black text looks on a background with the XYZ color 38.9761, 44.9252, 6.6172.

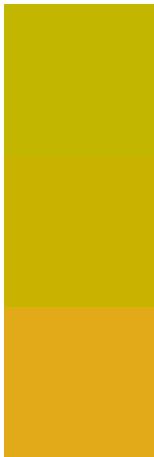


This preview shows how white text looks on a background with the XYZ color 38.9761, 44.9252,

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

38.9761, 44.9252, 6.6172

Protanopia

40.4772, 44.7968, 6.5133

Deuteranopia

45.9142, 44.9884, 7.1834



Tritanopia

47.8083, 44.7325, 50.3704

Trichromacy



Original Color

38.9761, 44.9252, 6.6172

Protanomaly

39.8744, 44.7846, 6.5427

Deuteranomaly

42.9611, 44.6057, 6.8357

Tritanomaly

42.3758, 43.9506, 22.7729

Monochromacy



Original Color

38.9761, 44.9252, 6.6172

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.0172, 39.3758, 19.1193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9761, 44.9252, 6.6172 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(194, 182, 0)` looks like.

```
.text, #text, p{  
    color:rgb(194, 182, 0)  
}
```

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(194, 182, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 182, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.9761, 44.9252, 6.6172 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(194, 182, 0) }
```


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

```
.border{ border-color:rgb(194, 182, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 182, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 182, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 182, 0);  
box-shadow:4px 4px 4px 4px rgb(194, 182,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9761, 44.9252, 6.6172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 182, 0) }
```

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

```
.background{ background-color: rgb(194,  
182, 0) }
```

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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