

Converting Colors

XYZ(37.0000, 39.9889, 46.2081)

Have a look what the booklet for
XYZ(37.0000, 39.9889, 46.2081)
contains.

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Color

**XYZ(36.9876, 40.0738,
46.3430)**

Conversions

Conversions Part 1

Format	Color
Hex	A0ACAF
RGB	160, 172, 175
RGB Percent	63%, 67%, 69%
CMY	0.3725, 0.3255, 0.3137
CMYK	0.09, 0.02, 0.00, 0.31
HSL	192°, 9%, 66%
HSV	192°, 9%, 69%
XYZ	36.9876, 40.0738, 46.3430
YIQ	168.7540, -8.1150, -1.6110

Conversions

Conversions Part 2

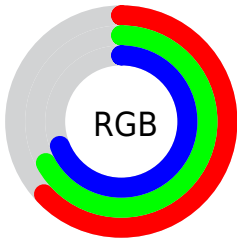
Format	Color
RYB	160, 167, 175
Decimal	10529967
CIELab	69.52, -3.59, -2.99
CIELCh	70, 4.671, 219.816
Yxy	40.0738, 0.2997, 0.3247
Android (android.graphics.Color)	4288720047 (0xFFA0ACAF)
YUV	168.7540, 3.0793, -7.6773
Hunter-Lab	63.3039, -6.4866, 0.9082

Details

The XYZ color **36.9876, 40.0738, 46.3430** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.1217, 37.8461, 38.6069**, and the grayscale version is **37.5796, 39.5367, 43.0555**.

A 20% lighter version of the original color is **69.7763, 75.0984, 85.6807**, and **16.4760, 18.0511, 21.3547** is the 20% darker color. If you saturate the color by 10%, you get **33.0760, 37.0833, 45.9726**, and if you desaturate by 10%, it is **41.4115, 43.3566, 46.7441**.

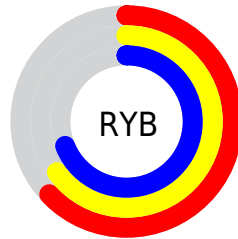
Distribution



Red (63%)

Green (67%)

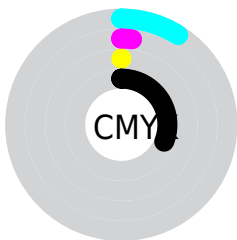
Blue (69%)



Red (63%)

Yellow (65%)

Blue (69%)

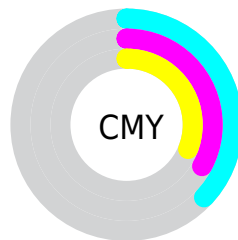


Cyan (9%)

Magenta (2%)

Yellow (0%)

Black (31%)



Cyan (37%)

Magenta (33%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9876, 40.0738, 46.3430 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 36.9876, 40.0738, 46.3430 by changing the saturation by 10% instead.

■ 36.9876, 40.0738,
46.3430

■ 36.9876, 40.0738,
46.3430

324.6133,
346.4345, 388.5035

■ 25.3715, 27.5961,
32.1660

■ 69.8677, 75.2759,
86.0718

■ 16.4843, 18.0214,
21.2224

■ 91.8624, 98.7690,
112.4606

■ 9.9605, 10.9654,
13.0939

118.0473,
126.7028, 143.7571

■ 5.4348, 6.0435,
7.3617

148.7879,
159.4616, 180.3798

■ 2.5419, 2.8716,
3.6075

184.4494,
197.4297, 222.7472

■ 0.9165, 1.0651,
1.4126

225.3972,

■ 0.0000, 0.0000,

240.9917, 271.2780

0.1515

271.9968,
290.5318, 326.3905

■ 0.0000, 0.0000,
0.0000

■ 36.9876, 40.0738,
46.3430

■ 36.9876, 40.0738,
46.3430

■ 33.0760, 37.0833,
45.9726

■ 41.4115, 43.3566,
46.7441

■ 29.6526, 34.3692,
45.6291

■ 46.3637, 46.9368,
47.1741

■ 26.6966, 31.9217,
45.3125

■ 51.8636, 50.8257,
47.6349

■ 24.1842, 29.7283,
45.0216

■ 57.9288, 55.0327,
48.1272

■ 22.0896, 27.7754,
44.7550

■ 64.5758, 59.5663,
48.6520

■ 20.3839, 26.0481,
44.5115

■ 68.0446, 62.4885,
49.0332

■ 19.0347, 24.5293,
44.2895

■ 68.8268, 64.0528,
49.2939

■ 18.0042, 23.1993,
44.0871

■ 69.6273, 65.6538,
49.5608

■ 17.2254, 22.0235,
43.9011

■ 70.4464, 67.2920,
49.8338

Harmonies

Analogous

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



36.6800, 40.0738, 44.3443



36.9876, 40.0738, 46.3430



37.5916, 40.0738, 47.6424

Triad

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



36.9876, 40.0738, 46.3430



39.4642, 40.0738, 45.0800



37.8426, 40.0738, 39.6738

Complementary

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



36.9876, 40.0738, 46.3430



37.1217, 37.8461, 38.6069

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.



38.5907, 40.0738, 39.8561



36.9876, 40.0738, 46.3430



39.5335, 40.0738, 42.9304

Square

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



36.9876, 40.0738, 46.3430



39.0236, 40.0738, 46.8968



39.2119, 40.0738, 41.0318



37.1693, 40.0738, 40.5254

Rectangle

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



36.9876, 40.0738, 46.3430



38.0843, 40.0738, 47.9129



39.2119, 40.0738, 41.0318



38.0936, 40.0738, 39.6169

Sweetspot

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



36.9888, 40.0755, 46.3439



70.5011, 74.9508, 83.3880



36.4163, 40.7696, 40.4836



15.5290, 16.5543, 18.5212



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



36.9888, 40.0755, 46.3439



65.0617, 70.8801, 82.8890



35.6458, 37.3896, 45.8962



8.0984, 8.7961, 10.2237



12.3045, 15.7429, 31.4347



0.3764, 0.5062, 0.8858

Inverse Universe

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



37.6973, 37.2349, 44.2319



66.5569, 64.9260, 78.4234



38.4466, 40.4960, 39.0485



8.2675, 8.1202, 9.7192



16.0744, 7.8923, 18.5690



0.4644, 0.2264, 0.6072

Previews

White Background



This preview shows how the XYZ color 36.9876, 40.0738, 46.3430 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 36.9876, 40.0738, 46.3430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

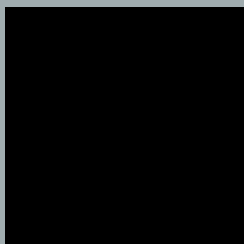
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

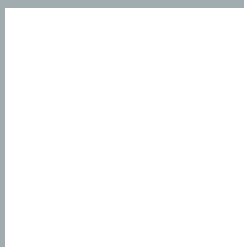
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9876, 40.0738, 46.3430

Background



This preview shows how black text looks on a background with the XYZ color 36.9876, 40.0738, 46.3430.



This preview shows how white text looks on a background with the XYZ color 36.9876, 40.0738,

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

36.9876, 40.0738, 46.3430

Protanopia

38.7440, 40.1637, 45.2455

Deuteranopia

40.7397, 39.7925, 47.1285



Tritanopia

38.1149, 40.2679, 51.1110

Trichromacy



Original Color

36.9876, 40.0738, 46.3430

Protanomaly

38.1632, 40.1303, 45.7789

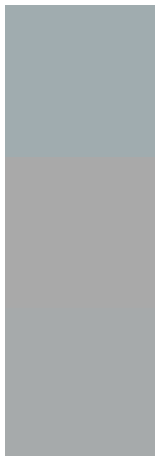
Deuteranomaly

39.3344, 39.8860, 46.6999

Tritanomaly

37.6013, 40.0391, 49.4626

Monochromacy



Original Color

36.9876, 40.0738, 46.3430

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.4513, 39.7967, 44.2357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9876, 40.0738, 46.3430 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(160, 172, 175)` looks like.

```
.text, #text, p{  
    color:rgb(160, 172, 175)  
}
```

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(160, 172, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 172, 175) }
```

Border

The CSS property to change the border of an element to XYZ 36.9876, 40.0738, 46.3430 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(160, 172, 175) }
```


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

```
.border{ border-color:rgb(160, 172, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 172, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 172, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 172, 175);  
box-shadow:4px 4px 4px 4px rgb(160, 172,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9876, 40.0738, 46.3430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 172, 175) }
```

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

```
.background{ background-color: rgb(160,  
172, 175) }
```

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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