

Converting Colors

XYZ(36.5090, 37.2084, 48.2402)

Have a look what the booklet for
XYZ(36.5090, 37.2084, 48.2402)
contains.

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Color

**XYZ(36.6453, 37.3822,
48.4641)**

Conversions

Conversions Part 1

Format	Color
Hex	A4A3B4
RGB	164, 163, 180
RGB Percent	64%, 64%, 71%
CMY	0.3569, 0.3608, 0.2941
CMYK	0.09, 0.09, 0.00, 0.29
HSL	244°, 10%, 67%
HSV	244°, 9%, 71%
XYZ	36.6453, 37.3822, 48.4641
YIQ	165.2370, -4.8610, 5.4990

Conversions

Conversions Part 2

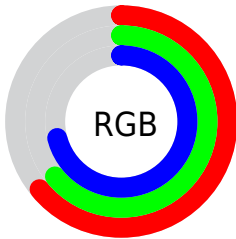
Format	Color
RYB	164, 163, 180
Decimal	10789812
CIELab	67.56, 3.73, -8.63
CIELCh	68, 9.401, 293.362
Yxy	37.3822, 0.2992, 0.3052
Android (android.graphics.Color)	4288979892 (0xFFA4A3B4)
YUV	165.2370, 7.2782, -1.0848
Hunter-Lab	61.1410, -0.0114, -4.1982

Details

The XYZ color **36.6453, 37.3822, 48.4641** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.5238, 44.8715, 41.1247**, and the grayscale version is **35.8467, 37.7135, 41.0700**.

A 20% lighter version of the original color is **69.4251, 71.2590, 89.4521**, and **16.1973, 16.3459, 22.3801** is the 20% darker color. If you saturate the color by 10%, you get **30.4074, 29.7557, 47.3214**, and if you desaturate by 10%, it is **43.8062, 46.1618, 49.7819**.

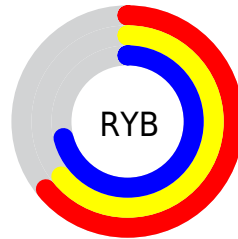
Distribution



Red (64%)

Green (64%)

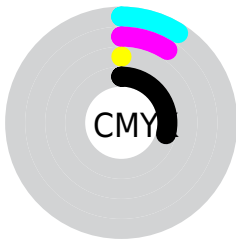
Blue (71%)



Red (64%)

Yellow (64%)

Blue (71%)

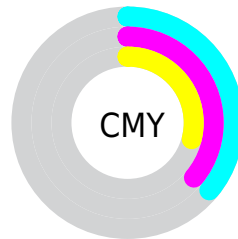


Cyan (9%)

Magenta (9%)

Yellow (0%)

Black (29%)



Cyan (36%)

Magenta (36%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6453, 37.3822, 48.4641 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 36.6453, 37.3822, 48.4641 by changing the saturation by 10% instead.

■ 36.6453, 37.3822,
48.4641

■ 36.6453, 37.3822,
48.4641

323.1546,
334.9623, 397.1904

■ 25.1054, 25.5036,
33.8320

■ 69.3443, 71.1602,
89.2677

■ 16.2847, 16.4526,
22.4882

■ 91.2341, 93.8284,
116.2763

■ 9.8180, 9.8450,
14.0143

117.3046,
120.8618, 148.2474

■ 5.3398, 5.2963,
7.9918

147.9211,
152.6450, 185.5997

■ 2.4848, 2.4221,
4.0020

183.4490,
189.5622, 228.7515

■ 0.8876, 0.8372,
1.6264

224.2536,

■ 0.0000, 0.0000,

231.9979, 278.1216

0.3096

270.7004,
280.3365, 334.1284

■ 0.0000, 0.0000,
0.0000

■ 36.6453, 37.3822,
48.4641

■ 36.6453, 37.3822,
48.4641

■ 30.4074, 29.7557,
47.3214

■ 43.8062, 46.1618,
49.7819

■ 25.0518, 23.2299,
46.3441

■ 51.9220, 56.1346,
51.2791

■ 20.5395, 17.7555,
45.5252

■ 61.0272, 67.3448,
52.9630

■ 16.8277, 13.2773,
44.8565

■ 71.1536, 79.8326,
54.8396

■ 13.8693, 9.7354,
44.3287

■ 82.3316, 93.6367,
56.9150

■ 11.6128, 7.0632,
43.9319

■ 85.2383, 96.0753,
57.2325

■ 9.9998, 5.1856,
43.6545

■ 8.9627, 4.0145,
43.4831

■ 8.3941, 3.3918,
43.3929

Harmonies

Analogous

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



35.2100, 37.3822, 49.1410



36.6453, 37.3822, 48.4641



37.8101, 37.3822, 45.6451

Triad

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



36.6453, 37.3822, 48.4641



37.2169, 37.3822, 34.6384



32.8383, 37.3822, 39.7888

Complementary

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



36.6453, 37.3822, 48.4641



41.5238, 44.8715, 41.1247

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.



33.3447, 37.3822, 36.1309



36.6453, 37.3822, 48.4641



35.8532, 37.3822, 33.2906

Square

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



36.6453, 37.3822, 48.4641



38.1463, 37.3822, 37.6245



34.4389, 37.3822, 33.8179



33.0374, 37.3822, 43.9447

Rectangle

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



36.6453, 37.3822, 48.4641



38.2634, 37.3822, 43.0271



34.4389, 37.3822, 33.8179



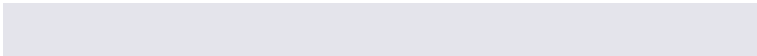
32.9312, 37.3822, 38.4639

Sweetspot

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



36.6464, 37.3838, 48.4649



74.5478, 77.7111, 89.3653



39.4938, 43.3831, 49.4728



15.8851, 16.5174, 19.2732



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



36.6464, 37.3838, 48.4649



64.3540, 65.2220, 87.4919



38.4269, 38.3017, 48.5483



8.0866, 8.2532, 10.6731



5.8622, 2.3579, 30.2831



0.1997, 0.0820, 0.9535

Inverse Universe

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



40.0575, 39.1540, 48.0957



71.5991, 68.9821, 86.6956



39.6517, 43.9064, 41.0370



8.8281, 8.6379, 10.5930



18.1722, 8.7865, 27.1307



0.5782, 0.2790, 0.8877

Previews

White Background



This preview shows how the XYZ color 36.6453, 37.3822, 48.4641 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 36.6453, 37.3822, 48.4641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

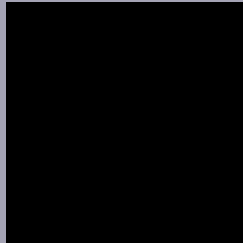
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.6453, 37.3822, 48.4641

Background



This preview shows how black text looks on a background with the XYZ color 36.6453, 37.3822, 48.4641.

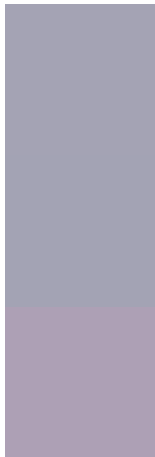


This preview shows how white text looks on a background with the XYZ color 36.6453, 37.3822,

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

36.6453, 37.3822, 48.4641

Protanopia

36.4397, 37.2762, 48.4545

Deuteranopia

38.1449, 37.3620, 48.9172



Tritanopia

36.3155, 37.5118, 46.9214

Trichromacy



Original Color

36.6453, 37.3822, 48.4641

Protanomaly

36.4397, 37.2762, 48.4545

Deuteranomaly

37.6629, 37.3720, 48.9445

Tritanomaly

36.4156, 37.5518, 47.4484

Monochromacy



Original Color

36.6453, 37.3822, 48.4641

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.0482, 37.4525, 43.3593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6453, 37.3822, 48.4641 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(164, 163, 180)` looks like.

```
.text, #text, p{  
    color:rgb(164, 163, 180)  
}
```

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(164, 163, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 163, 180) }
```

Border

The CSS property to change the border of an element to XYZ 36.6453, 37.3822, 48.4641 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(164, 163, 180) }
```


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

```
.border{ border-color:rgb(164, 163, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 163, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 163, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 163, 180);  
box-shadow:4px 4px 4px 4px rgb(164, 163,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6453, 37.3822, 48.4641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 163, 180) }
```

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

```
.background{ background-color: rgb(164,  
163, 180) }
```

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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