

Converting Colors

XYZ(36.7631, 38.9550, 45.4474)

Have a look what the booklet for
XYZ(36.7631, 38.9550, 45.4474)
contains.

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Color

**XYZ(36.7469, 38.8478,
45.6060)**

Conversions

Conversions Part 1

Format	Color
Hex	A3A8AE
RGB	163, 168, 174
RGB Percent	64%, 66%, 68%
CMY	0.3608, 0.3412, 0.3176
CMYK	0.06, 0.03, 0.00, 0.32
HSL	213°, 6%, 66%
HSV	213°, 6%, 68%
XYZ	36.7469, 38.8478, 45.6060
YIQ	167.1890, -4.9060, 0.8060

Conversions

Conversions Part 2

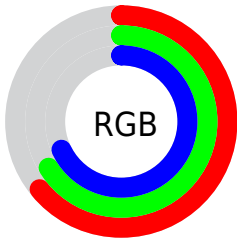
Format	Color
RYB	163, 166, 174
Decimal	10725550
CIELab	68.64, -0.58, -3.71
CIELCh	69, 3.754, 261.064
Yxy	38.8478, 0.3032, 0.3205
Android (android.graphics.Color)	4288915630 (0xFFA3A8AE)
YUV	167.1890, 3.3578, -3.6738
Hunter-Lab	62.3280, -3.8352, 0.2465

Details

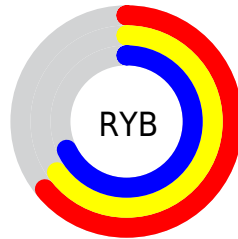
The XYZ color **36.7469, 38.8478, 45.6060** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.2545, 40.0187, 40.3592**, and the grayscale version is **36.8095, 38.7265, 42.1731**.

A 20% lighter version of the original color is **69.4440, 73.3379, 84.6243**, and **16.3138, 17.2754, 20.8870** is the 20% darker color. If you saturate the color by 10%, you get **31.7387, 33.7611, 44.8887**, and if you desaturate by 10%, it is **42.3754, 44.4461, 46.3905**.

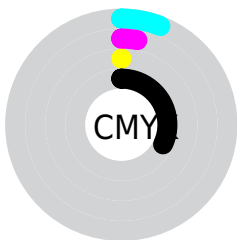
Distribution



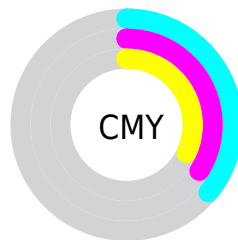
- Red (64%)
- Green (66%)
- Blue (68%)



- Red (64%)
- Yellow (65%)
- Blue (68%)



- Cyan (6%)
- Magenta (3%)
- Yellow (0%)
- Black (32%)



- Cyan (36%)
- Magenta (34%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7469, 38.8478, 45.6060 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 36.7469, 38.8478, 45.6060 by changing the saturation by 10% instead.

■ 36.7469, 38.8478,
45.6060

■ 36.7469, 38.8478,
45.6060

323.5880,
341.2430, 385.4538

■ 25.1844, 26.6413,
31.5886

■ 69.4997, 73.4058,
84.9571

■ 16.3439, 17.3040,
20.7853

■ 91.4207, 96.5260,
111.1279

■ 9.8602, 10.4515,
12.7774

117.5252,
124.0531, 142.1869

■ 5.3679, 5.6993,
7.1465

148.1786,
156.3712, 178.5526

■ 2.5017, 2.6631,
3.4741

183.7462,
193.8649, 220.6436

■ 0.8961, 0.9585,
1.3415

224.5934,

■ 0.0000, 0.0000,

236.9185, 268.8785

0.0954

271.0856,
285.9164, 323.6757

■ 0.0000, 0.0000,
0.0000

■ 36.7469, 38.8478,
45.6060

■ 36.7469, 38.8478,
45.6060

■ 31.7387, 33.7611,
44.8887

■ 42.3754, 44.4461,
46.3905

■ 27.3247, 29.1653,
44.2343

■ 48.6422, 50.5661,
47.2415

■ 23.4821, 25.0456,
43.6416

■ 55.5686, 57.2235,
48.1614

■ 20.1851, 21.3844,
43.1087

■ 63.1742, 64.4320,
49.1520

■ 17.4058, 18.1629,
42.6334

■ 71.4774, 72.2049,
50.2147

■ 15.1136, 15.3606,
42.2133

■ 75.7851, 78.1261,
51.1305

■ 13.2743, 12.9551,
41.8459

■ 78.4204, 83.3966,
52.0090

■ 11.8486, 10.9210,
41.5285

■ 81.2004, 88.9567,
52.9356

■ 10.7846, 9.2262,
41.2574

■ 84.1273, 94.8105,
53.9113

Harmonies

Analogous

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



36.2120, 38.8478, 44.8889



36.7469, 38.8478, 45.6060



37.3348, 38.8478, 45.4186

Triad

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



36.7469, 38.8478, 45.6060



37.9976, 38.8478, 41.1362



36.0441, 38.8478, 40.2802

Complementary

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



36.7469, 38.8478, 45.6060



38.2545, 40.0187, 40.3592

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.



36.5155, 38.8478, 39.3250



36.7469, 38.8478, 45.6060



37.6446, 38.8478, 39.8100

Square

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



36.7469, 38.8478, 45.6060



38.0611, 38.8478, 42.8077



37.1010, 38.8478, 39.1552



35.8091, 38.8478, 41.7936

Rectangle

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



36.7469, 38.8478, 45.6060



37.6775, 38.8478, 44.8079



37.1010, 38.8478, 39.1552



36.1800, 38.8478, 39.8848

Sweetspot

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



36.7480, 38.8494, 45.6069



70.8920, 74.7050, 83.3200



37.3899, 40.9189, 43.3986



15.7812, 16.6286, 18.5222



84.5950, 89.0005, 96.9216



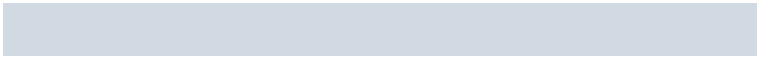
16.2198, 17.0645, 18.5832

Same Dimension

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



36.7480, 38.8494, 45.6069



64.9205, 68.7206, 82.4796



35.9173, 37.0764, 45.3084



7.8677, 8.3347, 10.1468



7.6341, 6.4020, 29.8779



0.2675, 0.2883, 0.8495

Inverse Universe

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



37.6215, 38.0210, 42.4036



66.9438, 66.8351, 75.0526



39.1215, 41.8737, 40.6716



8.1510, 8.0737, 9.1060



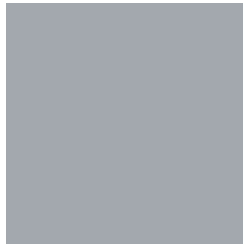
13.7170, 6.9493, 6.1549



0.4094, 0.2044, 0.3177

Previews

White Background



This preview shows how the XYZ color 36.7469, 38.8478, 45.6060 looks on a white background.

Color Contrast Check

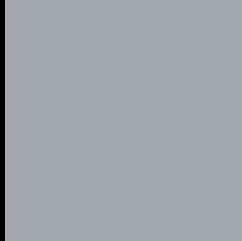
Large Text (above 18pt) WCAG AA × Fail

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 36.7469, 38.8478, 45.6060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

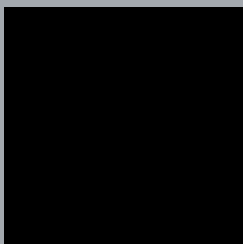
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

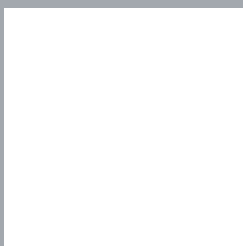
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7469, 38.8478, 45.6060

Background



This preview shows how black text looks on a background with the XYZ color 36.7469, 38.8478, 45.6060.



This preview shows how white text looks on a background with the XYZ color 36.7469, 38.8478,

45.6060.

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

36.7469, 38.8478, 45.6060

Protanopia

37.5412, 38.7246, 45.0311

Deuteranopia

39.4806, 38.6391, 45.9347



Tritanopia

37.3668, 38.8252, 48.7046

Trichromacy



Original Color

36.7469, 38.8478, 45.6060

Protanomaly

37.2979, 38.8701, 45.0720

Deuteranomaly

38.4689, 38.6447, 45.9891

Tritanomaly

37.1644, 38.7443, 47.6391

Monochromacy



Original Color

36.7469, 38.8478, 45.6060

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.8003, 38.6467, 43.5502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7469, 38.8478, 45.6060 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(163, 168, 174) looks like.

```
.text, #text, p{  
    color:rgb(163, 168, 174)  
}
```

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(163, 168, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 168, 174) }
```

Border

The CSS property to change the border of an element to XYZ 36.7469, 38.8478, 45.6060 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(163, 168, 174) }
```


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

```
.border{ border-color:rgb(163, 168, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 168, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 168, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 168, 174);  
box-shadow:4px 4px 4px 4px rgb(163, 168,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7469, 38.8478, 45.6060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 168, 174) }
```

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

```
.background{ background-color: rgb(163,  
168, 174) }
```

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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