

Converting Colors

XYZ(36.7630, 38.7398, 42.9782)

Have a look what the booklet for
XYZ(36.7630, 38.7398, 42.9782)
contains.

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Color

**XYZ(36.7060, 38.6090,
43.0538)**

Conversions

Conversions Part 1

Format	Color
Hex	A6A7A9
RGB	166, 167, 169
RGB Percent	65%, 65%, 66%
CMY	0.3490, 0.3451, 0.3373
CMYK	0.02, 0.01, 0.00, 0.34
HSL	220°, 2%, 66%
HSV	220°, 2%, 66%
XYZ	36.7060, 38.6090, 43.0538
YIQ	166.9290, -1.2380, 0.4100

Conversions

Conversions Part 2

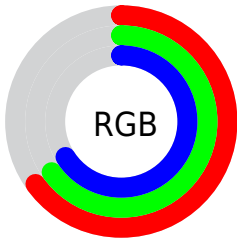
Format	Color
R_{YB}	166, 167, 169
Decimal	10921897
CIE Lab	68.47, 0.03, -1.16
CIE LCh	68, 1.163, 271.515
Yxy	38.6090, 0.3101, 0.3262
Android (android.graphics.Color)	4289111977 (0xFFA6A7A9)
YUV	166.9290, 1.0210, -0.8147
Hunter-Lab	62.1361, -3.2920, 2.4136

Details

The XYZ color **36.7060, 38.6090, 43.0538** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.2477, 39.1929, 41.6787**, and the grayscale version is **36.6926, 38.6034, 42.0391**.

A 20% lighter version of the original color is **69.3946, 72.9965, 80.9533**, and **16.2810, 17.1232, 19.2766** is the 20% darker color. If you saturate the color by 10%, you get **31.4217, 32.9584, 42.2422**, and if you desaturate by 10%, it is **42.6373, 44.8615, 43.9486**.

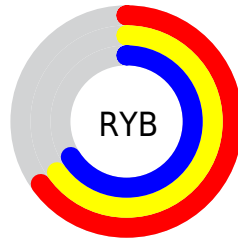
Distribution



Red (65%)

Green (65%)

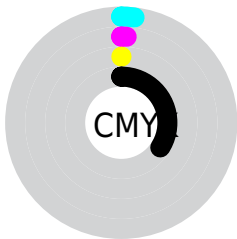
Blue (66%)



Red (65%)

Yellow (65%)

Blue (66%)

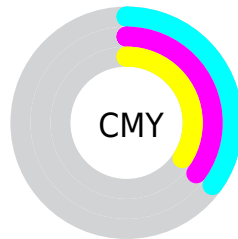


Cyan (2%)

Magenta (1%)

Yellow (0%)

Black (34%)



Cyan (35%)

Magenta (35%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7060, 38.6090, 43.0538 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 36.7060, 38.6090, 43.0538 by changing the saturation by 10% instead.

■ 36.7060, 38.6090,
43.0538

■ 36.7060, 38.6090,
43.0538

323.4136,
340.2253, 374.7607

■ 25.1526, 26.4557,
29.5956

■ 69.4372, 73.0406,
81.0793

■ 16.3201, 17.1649,
19.2824

■ 91.3456, 96.0877,
106.4836

■ 9.8432, 10.3521,
11.6956

117.4364,
123.5349, 136.7071

■ 5.3566, 5.6330,
6.4168

148.0749,
155.7665, 172.1683

■ 2.4949, 2.6233,
3.0273

183.6266,
193.1669, 213.2857

■ 0.8927, 0.9384,
1.1086

224.4567,

■ 0.0000, 0.0000,

236.1206, 260.4779

0.0000

270.9305,
285.0119, 314.1634

■ 36.7060, 38.6090,
43.0538

■ 36.7060, 38.6090,
43.0538

■ 31.4217, 32.9584,
42.2422

■ 42.6373, 44.8615,
43.9486

■ 26.7586, 27.8863,
41.5090

■ 49.2339, 51.7286,
44.9264

■ 22.6940, 23.3751,
40.8525

■ 56.5171, 59.2285,
45.9902

■ 19.2022, 19.4043,
40.2700

■ 64.5064, 67.3775,
47.1420

■ 16.2559, 15.9521,
39.7590

■ 73.2207, 76.1911,
48.3839

■ 13.8252, 12.9950,
39.3163

■ 77.9671, 83.2557,
49.4974

■ 11.8773, 10.5076,
38.9389

■ 81.2813, 89.8842,
50.6021

■ 10.3751, 8.4618,
38.6232

■ 84.1615, 95.6446,
51.5622

■ 9.2753, 6.8255,
38.3653

Harmonies

Analogous

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



36.5292, 38.6090, 42.9304



36.7060, 38.6090, 43.0538



36.8809, 38.6090, 42.9034

Triad

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



36.7060, 38.6090, 43.0538



36.9974, 38.6090, 41.5142



36.3884, 38.6090, 41.5600

Complementary

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



36.7060, 38.6090, 43.0538



37.2477, 39.1929, 41.6787

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.



36.5131, 38.6090, 41.1856



36.7060, 38.6090, 43.0538



36.8647, 38.6090, 41.1593

Square

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



36.7060, 38.6090, 43.0538



37.0495, 38.6090, 42.0120



36.6874, 38.6090, 41.0396



36.3462, 38.6090, 42.0653

Rectangle

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



36.7060, 38.6090, 43.0538



36.9727, 38.6090, 42.6687



36.6874, 38.6090, 41.0396



36.4220, 38.6090, 41.4148

Sweetspot

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



36.7071, 38.6107, 43.0546



66.5028, 69.9584, 77.2233



36.9776, 39.3088, 42.6603



14.5075, 15.2614, 16.8333



80.6108, 84.8088, 92.3568



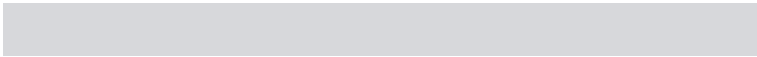
14.7206, 15.4872, 16.8656

Same Dimension

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



36.7071, 38.6107, 43.0546



65.4783, 68.8713, 77.0675



36.6185, 38.2932, 42.9980



8.2221, 8.6484, 9.6543



6.4547, 4.3695, 28.4787



0.2039, 0.2000, 0.7085

Inverse Universe

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



36.9743, 38.4981, 42.0433



66.0262, 68.6413, 74.9931



37.3373, 39.5151, 41.7361



8.2847, 8.6220, 9.4172



12.7586, 6.5122, 3.5405



0.3341, 0.1679, 0.2107

Previews

White Background



This preview shows how the XYZ color 36.7060, 38.6090, 43.0538 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 36.7060, 38.6090, 43.0538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

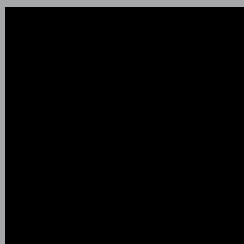
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

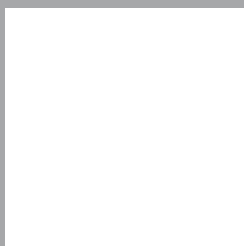
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7060, 38.6090, 43.0538

Background



This preview shows how black text looks on a background with the XYZ color 36.7060, 38.6090, 43.0538.



This preview shows how white text looks on a background with the XYZ color 36.7060, 38.6090,

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

36.7060, 38.6090, 43.0538

Protanopia

37.0663, 38.5346, 42.5301

Deuteranopia

39.2321, 38.5667, 43.4066



Tritanopia

37.9214, 38.8519, 48.1483

Trichromacy



Original Color

36.7060, 38.6090, 43.0538

Protanomaly

36.8526, 38.4244, 42.5201

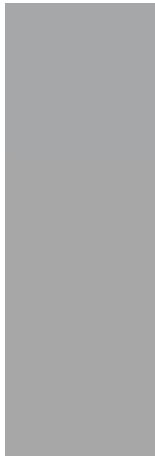
Deuteranomaly

38.4357, 38.6833, 43.4711

Tritanomaly

37.3104, 38.5831, 46.0382

Monochromacy



Original Color

36.7060, 38.6090, 43.0538

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.8229, 38.6801, 42.5710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7060, 38.6090, 43.0538 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(166, 167, 169)` looks like.

```
.text, #text, p{  
    color:rgb(166, 167, 169)  
}
```

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(166, 167, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 167, 169) }
```

Border

The CSS property to change the border of an element to XYZ 36.7060, 38.6090, 43.0538 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(166, 167, 169) }
```


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

```
.border{ border-color:rgb(166, 167, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 167, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 167, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 167, 169);  
box-shadow:4px 4px 4px 4px rgb(166, 167,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7060, 38.6090, 43.0538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 167, 169) }
```

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

```
.background{ background-color: rgb(166,  
167, 169) }
```

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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