

Converting Colors

XYZ(38.6638, 40.7613, 44.6411)

Have a look what the booklet for
XYZ(38.6638, 40.7613, 44.6411)
contains.

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Color

**XYZ(38.5869, 40.6504,
44.8423)**

Conversions

Conversions Part 1

Format	Color
Hex	AAABAC
RGB	170, 171, 172
RGB Percent	67%, 67%, 67%
CMY	0.3333, 0.3294, 0.3255
CMYK	0.01, 0.01, 0.00, 0.33
HSL	210°, 1%, 67%
HSV	210°, 1%, 67%
XYZ	38.5869, 40.6504, 44.8423
YIQ	170.8150, -0.9170, 0.0990

Conversions

Conversions Part 2

Format	Color
RYB	170, 171, 172
Decimal	11185068
CIELab	69.93, -0.16, -0.65
CIElCh	70, 0.665, 256.066
Yxy	40.6504, 0.3110, 0.3276
Android (android.graphics.Color)	4289375148 (0xFFAAABAC)
YUV	170.8150, 0.5842, -0.7148
Hunter-Lab	63.7577, -3.5456, 2.9303

Details

The XYZ color **38.5869, 40.6504, 44.8423** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.8320, 40.7985, 43.8592**, and the grayscale version is **38.6143, 40.6253, 44.2409**.

A 20% lighter version of the original color is **72.1128, 75.9463, 83.5314**, and **17.4582, 18.4013, 20.4010** is the 20% darker color. If you saturate the color by 10%, you get **33.5415, 35.7228, 44.1577**, and if you desaturate by 10%, it is **44.2262, 46.0426, 45.5865**.

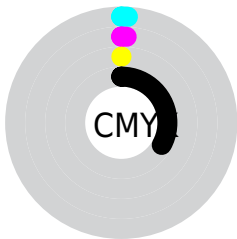
Distribution



- Red (67%)
- Green (67%)
- Blue (67%)



- Red (67%)
- Yellow (67%)
- Blue (67%)



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (33%)



- Cyan (33%)
- Magenta (33%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5869, 40.6504, 44.8423 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 38.5869, 40.6504, 44.8423 by changing the saturation by 10% instead.

■ 38.5869, 40.6504,
44.8423

■ 38.5869, 40.6504,
44.8423

331.3684,
348.8573, 382.2760

■ 26.6178, 28.0460,
30.9912

■ 72.3049, 76.1529,
83.7997

■ 17.4215, 18.3603,
20.3337

94.7846, 99.8198,
109.7430

■ 10.6326, 11.2090,
12.4514

121.4984,
127.9430, 140.5541

■ 5.8858, 6.2076,
6.9256

152.8119,
160.9069, 176.6516

■ 2.8158, 2.9717,
3.3379

189.0902,
199.0959, 218.4540

■ 1.0571, 1.1170,
1.2696

230.6989,

■ 0.0000, 0.0000,

242.8944, 266.3798

0.0367

278.0032,
292.6867, 320.8477

■ 0.0000, 0.0000,
0.0000

■ 38.5869, 40.6504,
44.8423

■ 38.5869, 40.6504,
44.8423

■ 33.5415, 35.7228,
44.1577

■ 44.2262, 46.0426,
45.5865

■ 29.0659, 31.2410,
43.5285

■ 50.4757, 51.9071,
46.3891

■ 25.1393, 27.1923,
42.9540

■ 57.3553, 58.2581,
47.2523

■ 21.7382, 23.5615,
42.4325

■ 64.8826, 65.1076,
48.1777

■ 18.8372, 20.3324,
41.9621

■ 72.7054, 72.2764,
49.1491

■ 16.4089, 17.4874,
41.5409

■ 74.9323, 76.7301,
49.8914

■ 14.4227, 15.0073,
41.1669

■ 77.2751, 81.4159,
50.6723

■ 12.8440, 12.8708,
40.8377

■ 79.7357, 86.3369,
51.4925

■ 11.6324, 11.0531,
40.5507

■ 82.3155, 91.4965,
52.3525

Harmonies

Analogous

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



38.4928, 40.6504, 44.6919



38.5869, 40.6504, 44.8423



38.6946, 40.6504, 44.8365

Triad

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



38.5869, 40.6504, 44.8423



38.8373, 40.6504, 44.0967



38.4873, 40.6504, 43.8492

Complementary

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



38.5869, 40.6504, 44.8423



38.8320, 40.7985, 43.8592

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.



38.5794, 40.6504, 43.6912



38.5869, 40.6504, 44.8423



38.7815, 40.6504, 43.8336

Square

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



38.5869, 40.6504, 44.8423



38.8393, 40.6504, 44.4050



38.6871, 40.6504, 43.6855



38.4354, 40.6504, 44.1180

Rectangle

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



38.5869, 40.6504, 44.8423



38.7596, 40.6504, 44.7448



38.6871, 40.6504, 43.6855



38.5146, 40.6504, 43.7814

Sweetspot

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



38.5881, 40.6521, 44.8432



71.1368, 74.8414, 81.5023



38.6783, 40.9908, 44.3855



15.4596, 16.2647, 17.7123



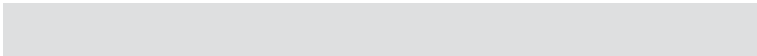
82.5889, 86.8899, 94.6231

Same Dimension

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



38.5881, 40.6521, 44.8432



70.1437, 73.8834, 81.3697



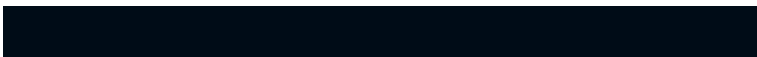
38.4056, 40.2873, 44.7824



8.8797, 9.3521, 10.2898



8.0863, 7.3064, 30.0286



0.2797, 0.3128, 0.8536

Inverse Universe

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



38.7396, 40.4612, 44.2981



70.3845, 73.5796, 80.5034



39.0158, 41.1660, 43.9204



8.9075, 9.3170, 10.1896



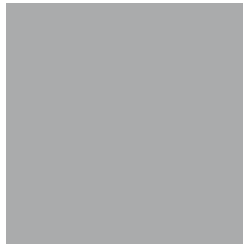
13.9452, 7.0406, 7.3569



0.4156, 0.2069, 0.3502

Previews

White Background



This preview shows how the XYZ color 38.5869, 40.6504, 44.8423 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 38.5869, 40.6504, 44.8423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

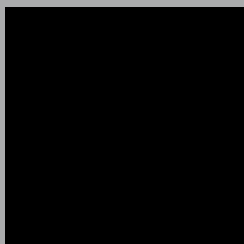
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

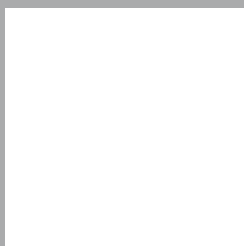
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.5869, 40.6504, 44.8423

Background



This preview shows how black text looks on a background with the XYZ color 38.5869, 40.6504, 44.8423.

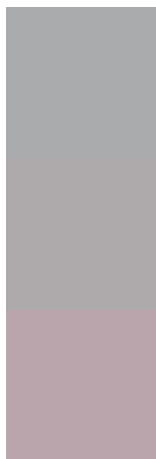


This preview shows how white text looks on a background with the XYZ color 38.5869, 40.6504,

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

38.5869, 40.6504, 44.8423

Protanopia

39.1810, 40.6884, 44.3167

Deuteranopia

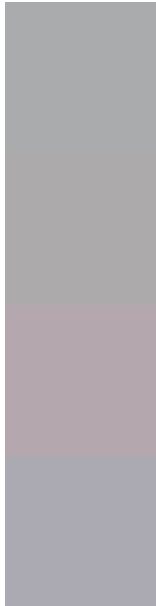
41.2477, 40.3665, 45.1527



Tritanopia

39.7485, 40.5655, 50.5347

Trichromacy



Original Color

38.5869, 40.6504, 44.8423

Protanomaly

38.9590, 40.5740, 44.3063

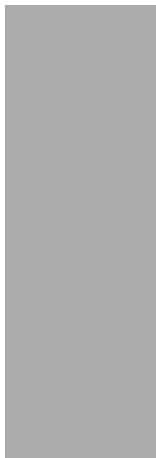
Deuteranomaly

40.1839, 40.3579, 45.2071

Tritanomaly

39.3060, 40.6621, 48.4247

Monochromacy



Original Color

38.5869, 40.6504, 44.8423

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.7082, 40.7240, 44.3485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5869, 40.6504, 44.8423 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(170, 171, 172)` looks like.

```
.text, #text, p{  
    color:rgb(170, 171, 172)  
}
```

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(170, 171, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 171, 172) }
```

Border

The CSS property to change the border of an element to XYZ 38.5869, 40.6504, 44.8423 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(170, 171, 172) }
```

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

```
.border{ border-color:rgb(170, 171, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 171, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 171, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 171, 172);  
box-shadow:4px 4px 4px 4px rgb(170, 171,  
172) }
```


Background

The CSS property to change the background color of an element to XYZ 38.5869, 40.6504, 44.8423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 171, 172) }
```

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

```
.background{ background-color: rgb(170,  
171, 172) }
```

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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