

Converting Colors

XYZ(38.5043, 40.5452, 60.4402)

Have a look what the booklet for
XYZ(38.5043, 40.5452, 60.4402)
contains.

XYZ(38.5043, 40.5452, 60.4402)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.5043, 40.5452,
60.4402)**

Conversions

Conversions Part 1

Format	Color
Hex	9AACC8
RGB	154, 172, 200
RGB Percent	60%, 67%, 78%
CMY	0.3961, 0.3255, 0.2157
CMYK	0.23, 0.14, 0.00, 0.22
HSL	217°, 29%, 69%
HSV	217°, 23%, 78%
XYZ	38.5043, 40.5452, 60.4402
YIQ	169.8100, -19.7160, 4.8920

Conversions

Conversions Part 2

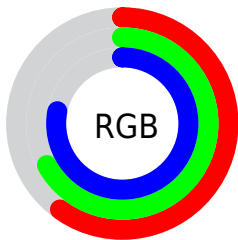
Format	Color
RYB	154, 167, 200
Decimal	10136776
CIELab	69.86, -0.10, -16.34
CIELCh	70, 16.341, 269.633
Yxy	40.5452, 0.2760, 0.2907
Android (android.graphics.Color)	4288326856 (0xFF9AACC8)
YUV	169.8100, 14.8837, -13.8654
Hunter-Lab	63.6751, -3.4926, -11.7053

Details

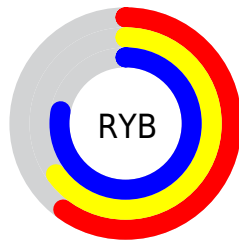
The XYZ color **38.5043, 40.5452, 60.4402** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **46.3806, 48.0686, 37.4066**, and the grayscale version is **38.0502, 40.0318, 43.5946**.

A 20% lighter version of the original color is **71.8136, 75.7135, 105.4369**, and **17.3843, 18.3330, 29.8165** is the 20% darker color. If you saturate the color by 10%, you get **32.7987, 34.3215, 59.5403**, and if you desaturate by 10%, it is **45.0588, 47.5236, 61.4424**.

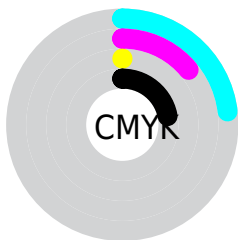
Distribution



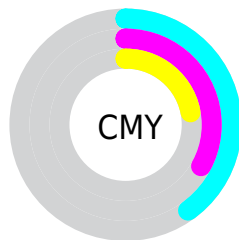
- Red (60%)
- Green (67%)
- Blue (78%)



- Red (60%)
- Yellow (65%)
- Blue (78%)



- Cyan (23%)
- Magenta (14%)
- Yellow (0%)
- Black (22%)



- Cyan (40%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5043, 40.5452, 60.4402 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 38.5043, 40.5452, 60.4402 by changing the saturation by 10% instead.

■ 38.5043, 40.5452,
60.4402

■ 38.5043, 40.5452,
60.4402

331.0219,
348.4162, 444.0680

■ 26.5533, 27.9639,
43.3459

■ 72.1794, 75.9930,
107.0176

■ 17.3729, 18.2984,
29.8232

■ 94.6342, 99.6283,
137.3378

■ 10.5976, 11.1645,
19.4535

121.3209,
127.7170, 172.9037

■ 5.8623, 6.1776,
11.8183

152.6050,
160.6436, 214.1339

■ 2.8014, 2.9534,
6.4991

188.8518,
198.7924, 261.4469

■ 1.0496, 1.1074,
3.0772

230.4267,

■ 0.0000, 0.0000,

242.5478, 315.2612

1.1342

277.6949,
292.2943, 375.9954

■ 0.0000, 0.0000,
0.0000

■ 38.5043, 40.5452,
60.4402

■ 38.5043, 40.5452,
60.4402

■ 32.7987, 34.3215,
59.5403

■ 45.0588, 47.5236,
61.4424

■ 27.9014, 28.8201,
58.7365

■ 52.4933, 55.2779,
62.5473

■ 23.7734, 24.0132,
58.0263

■ 60.8415, 63.8342,
63.7588

■ 20.3712, 19.8692,
57.4057

■ 70.1345, 73.2160,
65.0799

■ 17.6463, 16.3533,
56.8707

■ 80.4017, 83.4458,
66.5133

■ 15.5436, 13.4271,
56.4167

■ 84.3310, 90.7612,
67.7182

■ 13.9978, 11.0461,
56.0386

■ 87.4255, 96.9502,
68.7497

■ 13.1689, 9.6571,
55.8142

Harmonies

Analogous

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



36.0134, 40.5452, 58.0010



38.5043, 40.5452, 60.4402



41.1166, 40.5452, 58.1134

Triad

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



38.5043, 40.5452, 60.4402



43.1468, 40.5452, 37.3053



34.2980, 40.5452, 37.1605

Complementary

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



38.5043, 40.5452, 60.4402



46.3806, 48.0686, 37.4066

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.



36.0676, 40.5452, 32.6190



38.5043, 40.5452, 60.4402



41.1758, 40.5452, 32.6957

Square

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



38.5043, 40.5452, 60.4402



43.8706, 40.5452, 44.2406



38.5697, 40.5452, 31.0813



33.6542, 40.5452, 44.0532

Rectangle

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



38.5043, 40.5452, 60.4402



42.5589, 40.5452, 54.3094



38.5697, 40.5452, 31.0813



34.7768, 40.5452, 35.3384

Sweetspot

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



38.5056, 40.5468, 60.4411



85.4166, 90.0332, 107.4840



42.3838, 51.5403, 51.7548



18.1128, 19.0938, 22.9808



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



38.5056, 40.5468, 60.4411



61.1505, 64.2191, 103.7803



36.2008, 34.6125, 59.4172



10.3914, 10.9570, 13.4847



8.4547, 6.3033, 35.5154



0.4705, 0.4388, 1.7050

Inverse Universe

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



42.8225, 38.3702, 44.1807



70.1234, 60.1054, 69.8902



49.0970, 55.2979, 38.6588



10.8029, 10.7045, 11.9451



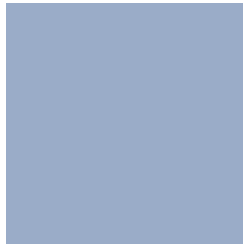
16.0669, 8.1763, 5.5620



0.7962, 0.4013, 0.4499

Previews

White Background



This preview shows how the XYZ color 38.5043, 40.5452, 60.4402 looks on a white background.

Color Contrast Check

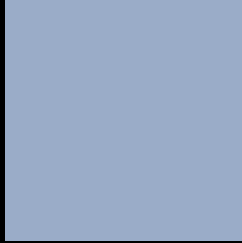
Large Text (above 18pt) WCAG AA × Fail

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 38.5043, 40.5452, 60.4402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

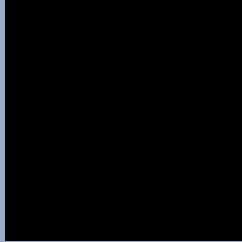
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.5043, 40.5452, 60.4402

Background



This preview shows how black text looks on a background with the XYZ color 38.5043, 40.5452, 60.4402.



This preview shows how white text looks on a background with the XYZ color 38.5043, 40.5452,

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

38.5043, 40.5452, 60.4402

Protanopia

39.8981, 40.4525, 59.1313

Deuteranopia

41.1921, 40.2601, 60.8583



Tritanopia

37.1620, 40.5783, 53.4507

Trichromacy



Original Color

38.5043, 40.5452, 60.4402

Protanomaly

39.3815, 40.4500, 59.7648

Deuteranomaly

40.0623, 40.2216, 60.9104

Tritanomaly

37.5949, 40.4652, 55.6983

Monochromacy



Original Color

38.5043, 40.5452, 60.4402

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.2132, 40.3545, 49.4912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5043, 40.5452, 60.4402 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(154, 172, 200)` looks like.

```
.text, #text, p{  
    color:rgb(154, 172, 200)  
}
```

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(154, 172, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 172, 200) }
```

Border

The CSS property to change the border of an element to XYZ 38.5043, 40.5452, 60.4402 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(154, 172, 200) }
```


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

```
.border{ border-color:rgb(154, 172, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 172, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 172, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 172, 200);  
box-shadow:4px 4px 4px 4px rgb(154, 172,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5043, 40.5452, 60.4402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 172, 200) }
```

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

```
.background{ background-color: rgb(154,  
172, 200) }
```

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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