

Converting Colors

XYZ(40.4957, 39.0697, 62.3335)

Have a look what the booklet for
XYZ(40.4957, 39.0697, 62.3335)
contains.

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Color

**XYZ(40.5738, 39.1001,
62.5353)**

Conversions

Conversions Part 1

Format	Color
Hex	AAA3CC
RGB	170, 163, 204
RGB Percent	67%, 64%, 80%
CMY	0.3333, 0.3608, 0.2000
CMYK	0.17, 0.20, 0.00, 0.20
HSL	250°, 29%, 72%
HSV	250°, 20%, 80%
XYZ	40.5738, 39.1001, 62.5353
YIQ	169.7670, -8.9890, 14.2350

Conversions

Conversions Part 2

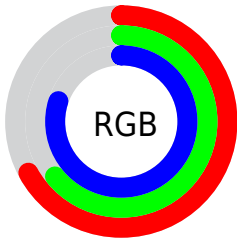
Format	Color
R _{YB}	170, 163, 204
Decimal	11183052
CIE _{Lab}	68.82, 10.86, -20.00
CIE _{LCh}	69, 22.756, 298.500
Y _{xy}	39.1001, 0.2853, 0.2749
Android (android.graphics.Color)	4289373132 (0xFFAAA3CC)
YUV	169.7670, 16.8769, 0.2043
Hunter-Lab	62.5301, 6.3954, -15.5239

Details

The XYZ color **40.5738, 39.1001, 62.5353** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.2311, 57.7014, 43.0895**, and the grayscale version is **38.0154, 39.9952, 43.5547**.

A 20% lighter version of the original color is **74.4854, 73.5316, 104.8749**, and **18.5256, 17.3528, 31.2272** is the 20% darker color. If you saturate the color by 10%, you get **33.8150, 30.6663, 61.2643**, and if you desaturate by 10%, it is **48.3900, 48.9483, 64.0249**.

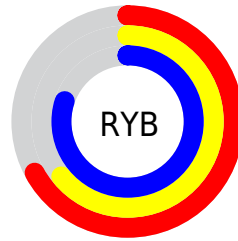
Distribution



Red (67%)

Green (64%)

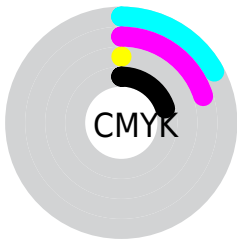
Blue (80%)



Red (67%)

Yellow (64%)

Blue (80%)

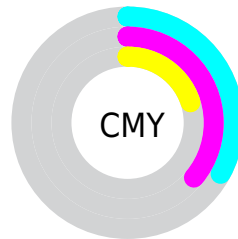


Cyan (17%)

Magenta (20%)

Yellow (0%)

Black (20%)



Cyan (33%)

Magenta (36%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5738, 39.1001, 62.5353 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 40.5738, 39.1001, 62.5353 by changing the saturation by 10% instead.

■ 40.5738, 39.1001,
62.5353

■ 40.5738, 39.1001,
62.5353

339.6292,
342.3159, 451.9425

■ 28.1724, 26.8376,
45.0268

■ 75.3153, 73.7912,
110.0779

■ 18.5968, 17.4513,
31.1354

■ 98.3861, 96.9886,
140.9491

■ 11.4816, 10.5568,
20.4427

125.7441,
124.5998, 177.1116

■ 6.4614, 5.7697,
12.5300

157.7546,
157.0091, 218.9839

■ 3.1709, 2.7055,
6.9788

194.7830,
194.6010, 266.9846

■ 1.2448, 0.9800,
3.3706

237.1947,

■ 0.1413, 0.0000,

237.7598, 321.5322

1.2868

285.3550,
286.8700, 383.0453

■ 0.0000, 0.0000,
0.0510

■ 0.0000, 0.0000,
0.0000

■ 40.5738, 39.1001,
62.5353

■ 40.5738, 39.1001,
62.5353

■ 33.8150, 30.6663,
61.2643

■ 48.3900, 48.9483,
64.0249

■ 28.0641, 23.5770,
60.1990

■ 57.3029, 60.2668,
65.7398

■ 23.2731, 17.7634,
59.3294

■ 67.3542, 73.1147,
67.6899

■ 19.3886, 13.1488,
58.6434

■ 78.5825, 87.5461,
69.8837

■ 16.3519, 9.6482,
58.1278

■ 87.7492, 97.0623,
71.2374

■ 14.0970, 7.1650,
57.7673

■ 87.8992, 97.1397,
71.2444

■ 12.5474, 5.5860,
57.5442

■ 11.5863, 4.7139,
57.4265

Harmonies

Analogous

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



36.9821, 39.1001, 65.6900



40.5738, 39.1001, 62.5353



43.3996, 39.1001, 53.8242

Triad

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



40.5738, 39.1001, 62.5353



40.9084, 39.1001, 27.7774



30.6494, 39.1001, 42.0551

Complementary

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



40.5738, 39.1001, 62.5353



51.2311, 57.7014, 43.0895

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.



31.5553, 39.1001, 33.0109



40.5738, 39.1001, 62.5353



37.3455, 39.1001, 25.6370

Square

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



40.5738, 39.1001, 62.5353



43.6013, 39.1001, 33.7774



33.9498, 39.1001, 27.3878



31.3927, 39.1001, 52.7773

Rectangle

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



40.5738, 39.1001, 62.5353



44.3864, 39.1001, 46.6597



33.9498, 39.1001, 27.3878



30.7700, 39.1001, 38.7328

Sweetspot

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



40.5750, 39.1017, 62.5362



85.8468, 88.2961, 107.1260



46.0087, 52.1555, 64.7694



18.1692, 18.6382, 22.8899



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.



40.5750, 39.1017, 62.5362



62.2667, 58.5868, 102.6343



45.3161, 41.5458, 62.7581



10.7773, 10.9345, 14.1129



7.3469, 2.9950, 36.1471



0.4356, 0.1837, 1.8674

Inverse Universe

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



48.0784, 43.0647, 58.6035



76.9007, 66.3200, 94.7774



46.2606, 55.1390, 42.8569



11.6021, 11.3696, 13.7055



20.2218, 9.8993, 24.6845



1.0655, 0.5196, 1.3908

Previews

White Background



This preview shows how the XYZ color 40.5738, 39.1001, 62.5353 looks on a white background.

Color Contrast Check

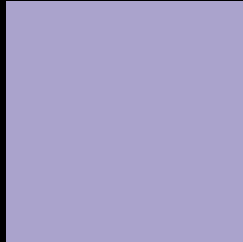
Large Text (above 18pt) WCAG AA × Fail

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 40.5738, 39.1001, 62.5353 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 40.5738, 39.1001, 62.5353

Background



This preview shows how black text looks on a background with the XYZ color 40.5738, 39.1001, 62.5353.



This preview shows how white text looks on a background with the XYZ color 40.5738, 39.1001,

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

40.5738, 39.1001, 62.5353

Protanopia

39.0749, 39.0996, 63.8800

Deuteranopia

39.9004, 39.0175, 62.5549



Tritanopia

37.7828, 39.0397, 48.7241

Trichromacy



Original Color

40.5738, 39.1001, 62.5353

Protanomaly

39.5788, 39.1046, 63.2195

Deuteranomaly

40.1109, 39.1260, 62.5648

Tritanomaly

38.7579, 39.1620, 53.6604

Monochromacy



Original Color

40.5738, 39.1001, 62.5353

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.8398, 39.5609, 49.8449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5738, 39.1001, 62.5353 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, 163, 204)` looks like.

```
.text, #text, p{  
    color:rgb(170, 163, 204)  
}
```

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, 163, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 163, 204) }
```

Border

The CSS property to change the border of an element to XYZ 40.5738, 39.1001, 62.5353 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, 163, 204) }
```


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

```
.border{ border-color:rgb(170, 163, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 163, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 163, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 163, 204);  
box-shadow:4px 4px 4px 4px rgb(170, 163,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5738, 39.1001, 62.5353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 163, 204) }
```

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

```
.background{ background-color: rgb(170,  
163, 204) }
```

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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