

Converting Colors

XYZ(40.1526, 40.8713, 61.3139)

Have a look what the booklet for
XYZ(40.1526, 40.8713, 61.3139)
contains.

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Color

**XYZ(40.0216, 40.7530,
61.0151)**

Conversions

Conversions Part 1

Format	Color
Hex	A3AAC9
RGB	163, 170, 201
RGB Percent	64%, 67%, 79%
CMY	0.3608, 0.3333, 0.2118
CMYK	0.19, 0.15, 0.00, 0.21
HSL	229°, 26%, 71%
HSV	229°, 19%, 79%
XYZ	40.0216, 40.7530, 61.0151
YIQ	171.4410, -14.1230, 8.1570

Conversions

Conversions Part 2

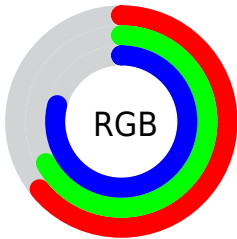
Format	Color
R_{YB}	163, 169, 201
Decimal	10726089
CIE _{Lab}	70.00, 4.06, -16.61
CIE _{LCh}	70, 17.097, 283.742
Yxy	40.7530, 0.2823, 0.2874
Android (android.graphics.Color)	4288916169 (0xFFA3AAC9)
YUV	171.4410, 14.5726, -7.4028
Hunter-Lab	63.8381, 0.1892, -11.9815

Details

The XYZ color **40.0216, 40.7530, 61.0151** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.9905, 53.6455, 42.3712**, and the grayscale version is **38.8655, 40.8895, 44.5287**.

A 20% lighter version of the original color is **73.8887, 75.9759, 105.3782**, and **18.3004, 18.4430, 30.1991** is the 20% darker color. If you saturate the color by 10%, you get **33.3443, 33.0297, 59.8769**, and if you desaturate by 10%, it is **47.7389, 49.5836, 62.3135**.

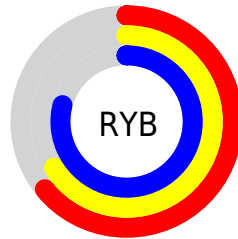
Distribution



Red (64%)

Green (67%)

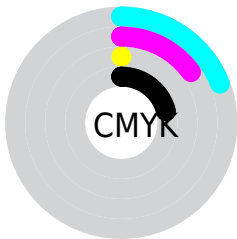
Blue (79%)



Red (64%)

Yellow (66%)

Blue (79%)

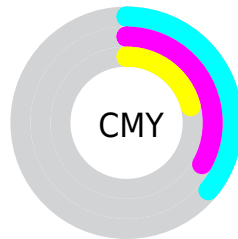


Cyan (19%)

Magenta (15%)

Yellow (0%)

Black (21%)



Cyan (36%)

Magenta (33%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0216, 40.7530, 61.0151 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 40.0216, 40.7530, 61.0151 by changing the saturation by 10% instead.

■ 40.0216, 40.7530,
61.0151

■ 40.0216, 40.7530,
61.0151

337.3475,
349.2872, 446.2375

■ 27.7397, 28.1261,
43.8067

■ 74.4805, 76.3088,
107.8585

■ 18.2690, 18.4208,
30.1825

■ 97.3883, 100.0065,
138.3307

■ 11.2441, 11.2525,
19.7239

124.5686,
128.1633, 174.0612

■ 6.2998, 6.2369,
12.0124

156.3870,
161.1636, 215.4685

■ 3.0706, 2.9897,
6.6295

193.2087,
199.3917, 262.9713

■ 1.1912, 1.1263,
3.1566

235.3991,

■ 0.0994, 0.0003,

243.2321, 316.9880

1.1751

283.3236,
293.0691, 377.9372

■ 0.0000, 0.0000,
0.0000

■ 40.0216, 40.7530,
61.0151

■ 40.0216, 40.7530,
61.0151

■ 33.3443, 33.0297,
59.8769

■ 47.7389, 49.5836,
62.3135

■ 27.6584, 26.3647,
58.8901

■ 56.5345, 59.5580,
63.7752

■ 22.9169, 20.7126,
58.0491

■ 66.4495, 70.7172,
65.4065

■ 19.0674, 16.0229,
57.3468

■ 77.5216, 83.0986,
67.2128

■ 16.0524, 12.2404,
56.7756

■ 86.5889, 95.0895,
69.0494

■ 13.8072, 9.3041,
56.3272

■ 87.5427, 96.9971,
69.3673

■ 12.2573, 7.1451,
55.9921

■ 11.2903, 5.6713,
55.7586

■ 11.2054, 5.5424,
55.7382

Harmonies

Analogous

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



37.2533, 40.7530, 60.7996



40.0216, 40.7530, 61.0151



42.5595, 40.7530, 56.4117

Triad

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



40.0216, 40.7530, 61.0151



42.7370, 40.7530, 34.5842



33.8138, 40.7530, 40.2130

Complementary

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



40.0216, 40.7530, 61.0151



49.9905, 53.6455, 42.3712

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.



35.1459, 40.7530, 34.1820



40.0216, 40.7530, 61.0151



40.2545, 40.7530, 31.2087

Square

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



40.0216, 40.7530, 61.0151



44.1773, 40.7530, 40.8260



37.4753, 40.7530, 31.0709



33.7582, 40.7530, 48.1199

Rectangle

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



40.0216, 40.7530, 61.0151



43.7424, 40.7530, 51.5161



37.4753, 40.7530, 31.0709



34.1242, 40.7530, 37.9229

Sweetspot

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



40.0229, 40.7547, 61.0160



85.7903, 89.5065, 107.3626



45.6621, 53.4288, 58.5932



18.1559, 18.9231, 22.9456



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.



40.0229, 40.7547, 61.0160



63.2569, 63.7042, 103.5699



41.1856, 39.4572, 60.7043



10.2122, 10.5984, 13.4249



7.0948, 3.5836, 35.0621



0.3853, 0.2683, 1.6766

Inverse Universe

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



44.4413, 41.5152, 43.7029



72.3406, 65.4106, 67.9446



48.6337, 55.3141, 42.7648



10.7124, 10.6683, 11.4686



15.3805, 7.9018, 1.9475



0.7532, 0.3841, 0.2233

Previews

White Background



This preview shows how the XYZ color 40.0216, 40.7530, 61.0151 looks on a white background.

Color Contrast Check

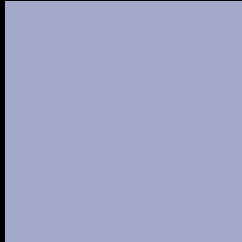
Large Text (above 18pt) WCAG AA × Fail

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 40.0216, 40.7530, 61.0151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

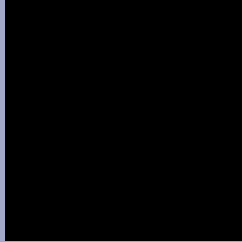
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0216, 40.7530, 61.0151

Background



This preview shows how black text looks on a background with the XYZ color 40.0216, 40.7530, 61.0151.



This preview shows how white text looks on a background with the XYZ color 40.0216, 40.7530,

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

40.0216, 40.7530, 61.0151

Protanopia

40.2476, 40.5923, 60.9722

Deuteranopia

41.7130, 40.7859, 61.5511



Tritanopia

38.3037, 40.9059, 52.3312

Trichromacy



Original Color

40.0216, 40.7530, 61.0151

Protanomaly

40.0404, 40.4855, 60.9625

Deuteranomaly

41.0255, 40.7045, 61.5716

Tritanomaly

38.8544, 40.8437, 55.1260

Monochromacy



Original Color

40.0216, 40.7530, 61.0151

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

39.1549, 40.8280, 50.0729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0216, 40.7530, 61.0151 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, 170, 201)` looks like.

```
.text, #text, p{  
    color:rgb(163, 170, 201)  
}
```

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, 170, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 170, 201) }
```

Border

The CSS property to change the border of an element to XYZ 40.0216, 40.7530, 61.0151 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, 170, 201) }
```


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

```
.border{ border-color:rgb(163, 170, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 170, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 170, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 170, 201);  
box-shadow:4px 4px 4px 4px rgb(163, 170,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0216, 40.7530, 61.0151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 170, 201) }
```

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

```
.background{ background-color: rgb(163,  
170, 201) }
```

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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