

Converting Colors

XYZ(40.9780, 41.6910, 57.0624)

Have a look what the booklet for
XYZ(40.9780, 41.6910, 57.0624)
contains.

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Color

**XYZ(40.8781, 41.5669,
56.9076)**

Conversions

Conversions Part 1

Format	Color
Hex	AAABC2
RGB	170, 171, 194
RGB Percent	67%, 67%, 76%
CMY	0.3333, 0.3294, 0.2392
CMYK	0.12, 0.12, 0.00, 0.24
HSL	237°, 16%, 71%
HSV	237°, 12%, 76%
XYZ	40.8781, 41.5669, 56.9076
YIQ	173.3230, -7.9790, 6.9410

Conversions

Conversions Part 2

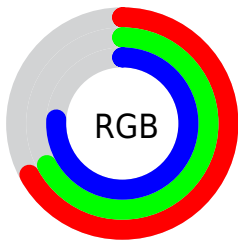
Format	Color
R _{YB}	170, 171, 194
Decimal	11185090
CIE Lab	70.57, 4.26, -11.84
CIE LCh	71, 12.585, 289.806
Yxy	41.5669, 0.2933, 0.2983
Android (android.graphics.Color)	4289375170 (0xFFAAABC2)
YUV	173.3230, 10.1938, -2.9143
Hunter-Lab	64.4724, 0.3495, -7.2026

Details

The XYZ color **40.8781, 41.5669, 56.9076** is a light color, and the websafe version is hex **999999**. A complement of this color would be **48.5741, 52.5114, 45.6068**, and the grayscale version is **39.8388, 41.9136, 45.6439**.

A 20% lighter version of the original color is **75.6603, 77.3653, 102.2121**, and **18.8017, 18.9387, 27.4755** is the 20% darker color. If you saturate the color by 10%, you get **33.7219, 33.0274, 55.6371**, and if you desaturate by 10%, it is **49.1495, 51.4167, 58.3735**.

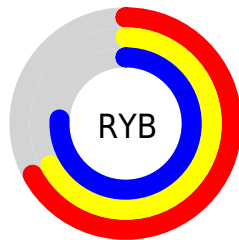
Distribution



Red (67%)

Green (67%)

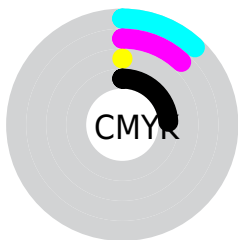
Blue (76%)



Red (67%)

Yellow (67%)

Blue (76%)

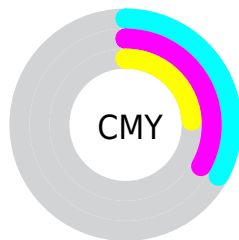


Cyan (12%)

Magenta (12%)

Yellow (0%)

Black (24%)



Cyan (33%)

Magenta (33%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8781, 41.5669, 56.9076 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 40.8781, 41.5669, 56.9076 by changing the saturation by 10% instead.

■ 40.8781, 41.5669,
56.9076

■ 40.8781, 41.5669,
56.9076

340.8822,
352.6844, 430.5870

■ 28.4111, 28.7623,
40.5222

■ 75.7747, 77.5437,
101.8293

■ 18.7778, 18.9011,
27.6290

98.9350, 101.4848,
131.2028

■ 11.6129, 11.5988,
17.8096

126.3904,
129.9067, 165.7426

■ 6.5510, 6.4711,
10.6454

158.5064,
163.1940, 205.8674

■ 3.2267, 3.1336,
5.7177

195.6481,
201.7310, 251.9957

■ 1.2748, 1.2019,
2.6082

238.1811,

■ 0.1642, 0.0632,

245.9022, 304.5461

0.8967

286.4707,
296.0918, 363.9370

■ 0.0000, 0.0000,
0.0000

■ 40.8781, 41.5669,
56.9076

■ 40.8781, 41.5669,
56.9076

■ 33.7219, 33.0274,
55.6371

■ 49.1495, 51.4167,
58.3735

■ 27.6298, 25.7380,
54.5512

■ 58.5771, 62.6232,
60.0397

■ 22.5520, 19.6416,
53.6421

■ 69.2043, 75.2370,
61.9143

■ 18.4334, 14.6747,
52.9005

■ 81.0711, 89.3046,
64.0042

■ 15.2136, 10.7679,
52.3161

■ 86.7377, 96.6751,
65.1281

■ 12.8256, 7.8441,
51.8776

■ 11.1926, 5.8157,
51.5722

■ 10.2238, 4.5797,
51.3847

■ 9.8256, 4.0709,
51.3074

Harmonies

Analogous

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



38.8048, 41.5669, 57.4879



40.8781, 41.5669, 56.9076



42.6409, 41.5669, 53.0573

Triad

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



40.8781, 41.5669, 56.9076



42.1445, 41.5669, 37.0654



35.7029, 41.5669, 43.2632

Complementary

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



40.8781, 41.5669, 56.9076



48.5741, 52.5114, 45.6068

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.



36.5326, 41.5669, 38.2654



40.8781, 41.5669, 56.9076



40.2198, 41.5669, 34.9008

Square

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



40.8781, 41.5669, 56.9076



43.3897, 41.5669, 41.4900



38.1690, 41.5669, 35.3199



35.8652, 41.5669, 49.2503

Rectangle

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



40.8781, 41.5669, 56.9076



43.3798, 41.5669, 49.3275



38.1690, 41.5669, 35.3199



35.8739, 41.5669, 41.4212

Sweetspot

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



40.8793, 41.5686, 56.9085



86.3639, 89.9622, 105.2824



45.4735, 50.9717, 57.7776



18.6511, 19.3894, 23.0095



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.



40.8793, 41.5686, 56.9085



70.1417, 70.6363, 102.4071



43.1224, 42.4451, 56.9595



9.5613, 9.8139, 12.6752



6.4750, 2.7065, 33.7377



0.2916, 0.1407, 1.4617

Inverse Universe

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



43.9745, 43.1601, 44.5430



76.9181, 74.1344, 75.3319



46.1243, 51.5784, 45.5558



10.0899, 10.0846, 10.5637



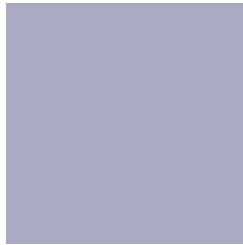
14.6642, 7.5555, 0.8780



0.6396, 0.3288, 0.0695

Previews

White Background



This preview shows how the XYZ color 40.8781, 41.5669, 56.9076 looks on a white background.

Color Contrast Check

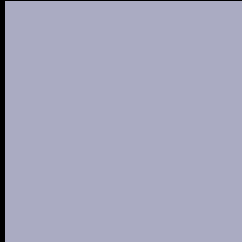
Large Text (above 18pt) WCAG AA × Fail

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 40.8781, 41.5669, 56.9076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

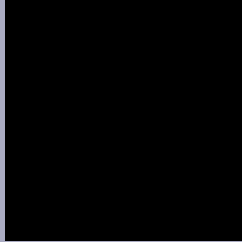
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.8781, 41.5669, 56.9076

Background



This preview shows how black text looks on a background with the XYZ color 40.8781, 41.5669, 56.9076.

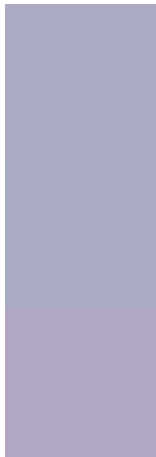


This preview shows how white text looks on a background with the XYZ color 40.8781, 41.5669,

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

40.8781, 41.5669, 56.9076

Protanopia

40.6627, 41.4559, 56.8976

Deuteranopia

42.4434, 41.5291, 57.4087



Tritanopia

39.9776, 41.4852, 52.3548

Trichromacy



Original Color

40.8781, 41.5669, 56.9076

Protanomaly

40.6627, 41.4559, 56.8976

Deuteranomaly

41.9428, 41.5462, 57.4383

Tritanomaly

40.3000, 41.6142, 54.0524

Monochromacy



Original Color

40.8781, 41.5669, 56.9076

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

40.1063, 41.6119, 49.6341

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8781, 41.5669, 56.9076 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, 194)` looks like.

```
.text, #text, p{  
    color:rgb(170, 171, 194)  
}
```

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, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 171, 194) }
```

Border

The CSS property to change the border of an element to XYZ 40.8781, 41.5669, 56.9076 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, 194) }
```


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

```
.border{ border-color:rgb(170, 171, 194) }
```

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, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 171, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 171, 194);  
box-shadow:4px 4px 4px 4px rgb(170, 171,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8781, 41.5669, 56.9076 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, 194) }
```

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

```
.background{ background-color: rgb(170,  
171, 194) }
```

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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