

Converting Colors

XYZ(40.2344, 42.2940, 51.0275)

Have a look what the booklet for
XYZ(40.2344, 42.2940, 51.0275)
contains.

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Color

**XYZ(40.0455, 42.1260,
50.8203)**

Conversions

Conversions Part 1

Format	Color
Hex	A9AEB7
RGB	169, 174, 183
RGB Percent	66%, 68%, 72%
CMY	0.3372, 0.3176, 0.2823
CMYK	0.08, 0.05, 0.00, 0.28
HSL	219°, 9%, 69%
HSV	219°, 8%, 72%
XYZ	40.0455, 42.1260, 50.8203
YIQ	173.5310, -5.8690, 1.7390

Conversions

Conversions Part 2

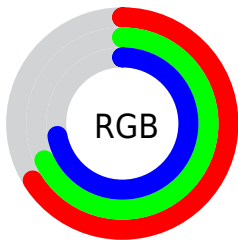
Format	Color
R_{YB}	169, 173, 183
Decimal	11120311
CIE Lab	70.96, 0.02, -5.21
CIE LCh	71, 5.212, 270.206
Yxy	42.1260, 0.3011, 0.3168
Android (android.graphics.Color)	4289310391 (0xFFA9AEB7)
YUV	173.5310, 4.6682, -3.9737
Hunter-Lab	64.9045, -3.4501, -0.9909

Details

The XYZ color **40.0455, 42.1260, 50.8203** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.6105, 44.7724, 43.9330**, and the grayscale version is **39.9717, 42.0533, 45.7961**.

A 20% lighter version of the original color is **74.3398, 78.1179, 92.8215**, and **18.3249, 19.3127, 23.8810** is the 20% darker color. If you saturate the color by 10%, you get **34.2177, 35.8960, 49.9256**, and if you desaturate by 10%, it is **46.6243, 49.0408, 51.8089**.

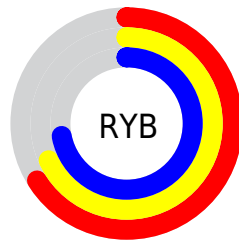
Distribution



Red (66%)

Green (68%)

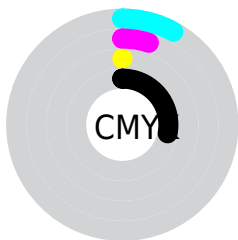
Blue (72%)



Red (66%)

Yellow (68%)

Blue (72%)

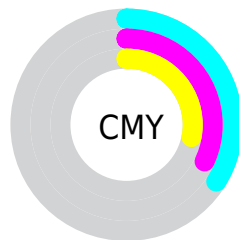


Cyan (8%)

Magenta (5%)

Yellow (0%)

Black (28%)



Cyan (34%)

Magenta (32%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0455, 42.1260, 50.8203 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 40.0455, 42.1260, 50.8203 by changing the saturation by 10% instead.

■ 40.0455, 42.1260,
50.8203

■ 40.0455, 42.1260,
50.8203

337.4464,
355.0050, 406.6918

■ 27.7584, 29.2000,
35.6899

■ 74.5167, 78.3903,
92.7979

■ 18.2831, 19.2321,
23.9070

■ 97.4315, 102.4973,
120.4821

■ 11.2544, 11.8381,
15.0531

124.6196,
131.1002, 153.1880

■ 6.3067, 6.6336,
8.7096

156.4463,
164.5832, 191.3342

■ 3.0749, 3.2340,
4.4580

193.2769,
203.3308, 235.3391

■ 1.1935, 1.2551,
1.8798

235.4770,

■ 0.1012, 0.1060,

247.7273, 285.6213

0.4799

283.4117,
298.1573, 342.5994

■ 0.0000, 0.0000,
0.0000

■ 40.0455, 42.1260,
50.8203

■ 40.0455, 42.1260,
50.8203

■ 34.2177, 35.8960,
49.9256

■ 46.6243, 49.0408,
51.8089

■ 29.1094, 30.3237,
49.1193

■ 53.9765, 56.6558,
52.8912

■ 24.6922, 25.3876,
48.3993

■ 62.1285, 64.9927,
54.0708

■ 20.9345, 21.0632,
47.7627

■ 71.1040, 74.0705,
55.3499

■ 17.8019, 17.3244,
47.2061

■ 78.8724, 82.8490,
56.6349

■ 15.2568, 14.1426,
46.7261

■ 82.3101, 89.7243,
57.7808

■ 13.2570, 11.4866,
46.3189

■ 85.5474, 96.1990,
58.8599

■ 11.7541, 9.3213,
45.9801

■ 10.6776, 7.5996,
45.7045

Harmonies

Analogous

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



39.2152, 42.1260, 50.1462



40.0455, 42.1260, 50.8203



40.8858, 42.1260, 50.1280

Triad

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



40.0455, 42.1260, 50.8203



41.5006, 42.1260, 43.5030



38.6073, 42.1260, 43.5318

Complementary

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



40.0455, 42.1260, 50.8203



42.6105, 44.7724, 43.9330

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.



39.2050, 42.1260, 41.8566



40.0455, 42.1260, 50.8203



40.8753, 42.1260, 41.8404

Square

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



40.0455, 42.1260, 50.8203



41.7333, 42.1260, 45.8509



40.0335, 42.1260, 41.2484



38.3922, 42.1260, 45.8852

Rectangle

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



40.0455, 42.1260, 50.8203



41.3367, 42.1260, 48.9986



40.0335, 42.1260, 41.2484



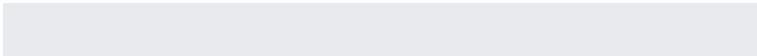
38.7697, 42.1260, 42.8738

Sweetspot

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



40.0467, 42.1278, 50.8212



78.1708, 82.2508, 91.9917



41.3189, 45.5117, 48.6570



17.2931, 18.1957, 20.3223



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



40.0467, 42.1278, 50.8212



70.0733, 73.6997, 90.7679



39.5015, 40.4386, 50.5239



8.7767, 9.2306, 11.3985



7.3567, 5.1730, 31.8638



0.3190, 0.3017, 1.1432

Inverse Universe

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



41.3574, 41.5001, 45.8770



72.8592, 72.3941, 80.2518



43.1830, 46.5722, 44.2502



9.1336, 9.0638, 10.0511



14.3270, 7.3045, 4.3427



0.5352, 0.2695, 0.3116

Previews

White Background



This preview shows how the XYZ color 40.0455, 42.1260, 50.8203 looks on a white background.

Color Contrast Check

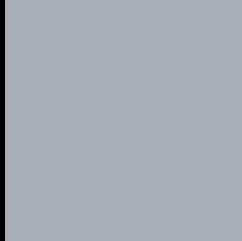
Large Text (above 18pt) WCAG AA × Fail

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 40.0455, 42.1260, 50.8203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

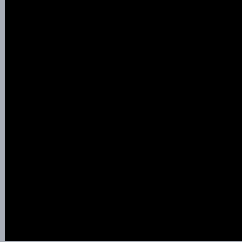
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0455, 42.1260, 50.8203

Background



This preview shows how black text looks on a background with the XYZ color 40.0455, 42.1260, 50.8203.

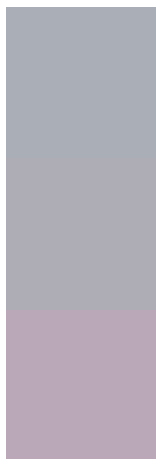


This preview shows how white text looks on a background with the XYZ color 40.0455, 42.1260,

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

40.0455, 42.1260, 50.8203

Protanopia

40.8426, 42.2632, 50.2609

Deuteranopia

42.9041, 41.9051, 51.1746



Tritanopia

40.4908, 42.0210, 52.9905

Trichromacy



Original Color

40.0455, 42.1260, 50.8203

Protanomaly

40.4003, 42.0352, 50.2402

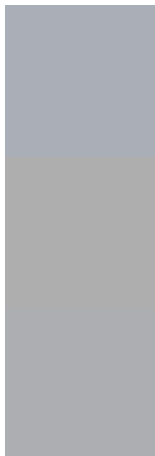
Deuteranomaly

41.8488, 41.9134, 51.2318

Tritanomaly

40.3841, 41.9784, 52.4285

Monochromacy



Original Color

40.0455, 42.1260, 50.8203

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.0851, 42.2171, 47.6310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0455, 42.1260, 50.8203 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(169, 174, 183)` looks like.

```
.text, #text, p{  
    color:rgb(169, 174, 183)  
}
```

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(169, 174, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 174, 183) }
```

Border

The CSS property to change the border of an element to XYZ 40.0455, 42.1260, 50.8203 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(169, 174, 183) }
```


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

```
.border{ border-color:rgb(169, 174, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 174, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 174, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 174, 183);  
box-shadow:4px 4px 4px 4px rgb(169, 174,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0455, 42.1260, 50.8203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 174, 183) }
```

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

```
.background{ background-color: rgb(169,  
174, 183) }
```

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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