

Converting Colors

XYZ(40.1362, 43.8835, 56.6539)

Have a look what the booklet for
XYZ(40.1362, 43.8835, 56.6539)
contains.

XYZ(40.0474, 43.7619, 56.7882)	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(40.0474, 43.7619,
56.7882)**

Conversions

Conversions Part 1

Format	Color
Hex	9EB4C1
RGB	158, 180, 193
RGB Percent	62%, 71%, 76%
CMY	0.3804, 0.2941, 0.2431
CMYK	0.18, 0.07, 0.00, 0.24
HSL	202°, 22%, 69%
HSV	202°, 18%, 76%
XYZ	40.0474, 43.7619, 56.7882
YIQ	174.9040, -17.2850, -0.6210

Conversions

Conversions Part 2

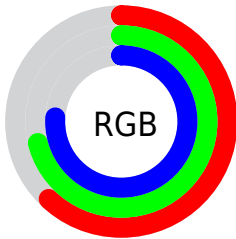
Format	Color
R_{YB}	158, 172, 193
Decimal	10400961
CIE _{Lab}	72.07, -4.77, -9.15
CIE _{LCh}	72, 10.313, 242.477
Yxy	43.7619, 0.2848, 0.3113
Android (android.graphics.Color)	4288591041 (0xFF9EB4C1)
YUV	174.9040, 8.9213, -14.8248
Hunter-Lab	66.1528, -7.7075, -4.5900

Details

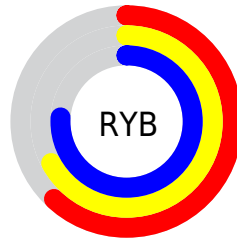
The XYZ color **40.0474, 43.7619, 56.7882** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.7270, 42.9316, 38.3832**, and the grayscale version is **40.6607, 42.7782, 46.5854**.

A 20% lighter version of the original color is **74.5349, 80.9766, 101.3242**, and **18.2669, 20.1364, 27.7349** is the 20% darker color. If you saturate the color by 10%, you get **35.1358, 39.1382, 56.1553**, and if you desaturate by 10%, it is **45.6327, 48.8462, 57.4759**.

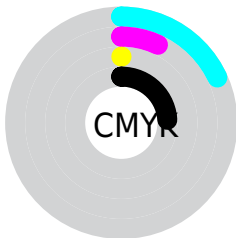
Distribution



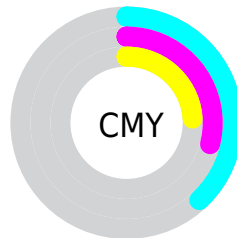
- Red (62%)
- Green (71%)
- Blue (76%)



- Red (62%)
- Yellow (67%)
- Blue (76%)



- Cyan (18%)
- Magenta (7%)
- Yellow (0%)
- Black (24%)



- Cyan (38%)
- Magenta (29%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0474, 43.7619, 56.7882 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 40.0474, 43.7619, 56.7882 by changing the saturation by 10% instead.

■ 40.0474, 43.7619,
56.7882

■ 40.0474, 43.7619,
56.7882

337.4543,
361.7358, 430.1267

■ 27.7599, 30.4834,
40.4270

■ 74.5196, 80.8593,
101.6533

■ 18.2843, 20.2058,
27.5553

■ 97.4349, 105.4470,
130.9944

■ 11.2552, 12.5447,
17.7546

124.6236,
134.5732, 165.4991

■ 6.3073, 7.1158,
10.6063

156.4510,
168.6224, 205.5860

■ 3.0753, 3.5346,
5.6920

193.2824,
207.9788, 251.6737

■ 1.1937, 1.4168,
2.5930

235.4831,

■ 0.1014, 0.2291,

253.0269, 304.1806

0.8888

283.4187,
304.1511, 363.5255

■ 0.0000, 0.0000,
0.0000

■ 40.0474, 43.7619,
56.7882

■ 40.0474, 43.7619,
56.7882

■ 35.1358, 39.1382,
56.1553

■ 45.6327, 48.8462,
57.4759

■ 30.8650, 34.9532,
55.5726

■ 51.9148, 54.4013,
58.2170

■ 27.2053, 31.1909,
55.0393

■ 58.9204, 60.4436,
59.0141

■ 24.1228, 27.8322,
54.5535

■ 66.6737, 66.9873,
59.8685

■ 21.5800, 24.8559,
54.1130

■ 75.1977, 74.0456,
60.7816

■ 19.5347, 22.2384,
53.7156

■ 77.2553, 77.8893,
61.4151

■ 17.9374, 19.9524,
53.3585

■ 79.2110, 81.8008,
62.0670

■ 16.7125, 17.9570,
53.0379

■ 81.2488, 85.8764,
62.7463

■ 16.5033, 17.6053,
52.9811

■ 83.3696, 90.1179,
63.4532

Harmonies

Analogous

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



38.7996, 43.7619, 53.0549



40.0474, 43.7619, 56.7882



41.7410, 43.7619, 58.0220

Triad

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



40.0474, 43.7619, 56.7882



45.0740, 43.7619, 47.2310



39.8005, 43.7619, 39.9192

Complementary

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



40.0474, 43.7619, 56.7882



42.7270, 42.9316, 38.3832

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.



41.4481, 43.7619, 38.5929



40.0474, 43.7619, 56.7882



44.5203, 43.7619, 42.6239

Square

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



40.0474, 43.7619, 56.7882



44.6737, 43.7619, 52.2781



43.1807, 43.7619, 39.5475



38.6599, 43.7619, 43.3021

Rectangle

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



40.0474, 43.7619, 56.7882



42.9039, 43.7619, 57.1953



43.1807, 43.7619, 39.5475



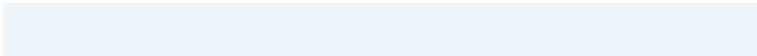
40.3118, 43.7619, 39.2293

Sweetspot

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



40.0487, 43.7637, 56.7892



85.0312, 90.4324, 103.3339



40.5060, 48.3437, 45.6419



18.0755, 19.2526, 22.1487



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



40.0487, 43.7637, 56.7892



67.8785, 74.7943, 101.2195



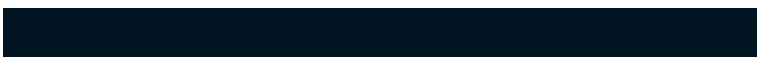
36.7650, 37.1963, 55.6946



10.0440, 10.7793, 12.8361



11.0551, 11.8667, 35.2645



0.5418, 0.6411, 1.5451

Inverse Universe

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



42.4584, 39.0873, 48.4890



73.0967, 64.9850, 83.1742



46.2191, 49.9158, 39.5472



10.3335, 10.1820, 11.8468



16.9761, 8.4802, 13.0520



0.7659, 0.3794, 0.7346

Previews

White Background



This preview shows how the XYZ color 40.0474, 43.7619, 56.7882 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 40.0474, 43.7619, 56.7882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

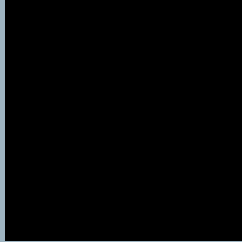
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

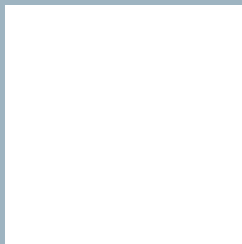
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.0474, 43.7619, 56.7882

Background



This preview shows how black text looks on a background with the XYZ color 40.0474, 43.7619, 56.7882.



This preview shows how white text looks on a background with the XYZ color 40.0474, 43.7619,

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

40.0474, 43.7619, 56.7882

Protanopia

42.5287, 43.6078, 54.8908

Deuteranopia

44.6104, 43.7595, 57.7250



Tritanopia

40.1594, 43.8067, 57.3778

Trichromacy



Original Color

40.0474, 43.7619, 56.7882

Protanomaly

41.4883, 43.6409, 55.5271

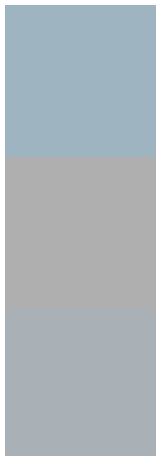
Deuteranomaly

42.7468, 43.6689, 57.2149

Tritanomaly

40.1594, 43.8067, 57.3778

Monochromacy



Original Color

40.0474, 43.7619, 56.7882

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.5278, 43.2567, 50.4693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0474, 43.7619, 56.7882 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(158, 180, 193)` looks like.

```
.text, #text, p{  
    color:rgb(158, 180, 193)  
}
```

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(158, 180, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 180, 193) }
```

Border

The CSS property to change the border of an element to XYZ 40.0474, 43.7619, 56.7882 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(158, 180, 193) }
```


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

```
.border{ border-color:rgb(158, 180, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 180, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 180, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 180, 193);  
box-shadow:4px 4px 4px 4px rgb(158, 180,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0474, 43.7619, 56.7882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 180, 193) }
```

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

```
.background{ background-color: rgb(158,  
180, 193) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor