

Converting Colors

XYZ(40.7583, 42.7868, 47.2946)

Have a look what the booklet for
XYZ(40.7583, 42.7868, 47.2946)
contains.

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Color

**XYZ(40.8456, 42.9085,
47.2037)**

Conversions

Conversions Part 1

Format	Color
Hex	AFAFB0
RGB	175, 175, 176
RGB Percent	69%, 69%, 69%
CMY	0.3137, 0.3137, 0.3098
CMYK	0.01, 0.01, 0.00, 0.31
HSL	240°, 1%, 69%
HSV	240°, 1%, 69%
XYZ	40.8456, 42.9085, 47.2037
YIQ	175.1140, -0.3210, 0.3110

Conversions

Conversions Part 2

Format	Color
RYB	175, 175, 176
Decimal	11513776
CIELab	71.49, 0.19, -0.52
CIELCh	71, 0.553, 290.322
Yxy	42.9085, 0.3119, 0.3277
Android (android.graphics.Color)	4289703856 (0xFFAFAFB0)
YUV	175.1140, 0.4368, -0.1000
Hunter-Lab	65.5046, -3.3287, 3.1278

Details

The XYZ color **40.8456, 42.9085, 47.2037** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.1677, 43.3753, 46.7604**, and the grayscale version is **40.8055, 42.9306, 46.7514**.

A 20% lighter version of the original color is **75.4954, 79.2428, 87.6603**, and **18.8894, 19.8321, 21.9012** is the 20% darker color. If you saturate the color by 10%, you get **33.9553, 34.6147, 45.9666**, and if you desaturate by 10%, it is **48.6966, 52.3583, 48.6145**.

Distribution



Red (69%)

Green (69%)

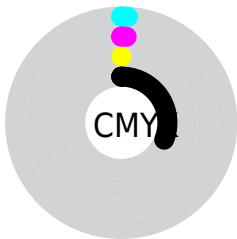
Blue (69%)



Red (69%)

Yellow (69%)

Blue (69%)



Cyan (1%)

Magenta (1%)

Yellow (0%)

Black (31%)



Cyan (31%)

Magenta (31%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8456, 42.9085, 47.2037 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 40.8456, 42.9085, 47.2037 by changing the saturation by 10% instead.

■ 40.8456, 42.9085,
47.2037

■ 40.8456, 42.9085,
47.2037

340.7485,
358.2353, 392.0443

■ 28.3856, 29.8133,
32.8412

■ 75.7256, 79.5728,
87.3708

■ 18.7585, 19.6969,
21.7347

98.8764, 103.9106,
114.0124

■ 11.5989, 12.1749,
13.4657

126.3214,
132.7649, 145.5842

■ 6.5414, 6.8629,
7.6155

158.4261,
166.5199, 182.5047

■ 3.2207, 3.3765,
3.7657

195.5558,
205.5600, 225.1924

■ 1.2715, 1.3313,
1.4977

238.0759,

■ 0.1618, 0.1653,

250.2697, 274.0659

0.2162

286.3517,
301.0334, 329.5437

■ 0.0000, 0.0000,
0.0000

■ 40.8456, 42.9085,
47.2037

■ 40.8456, 42.9085,
47.2037

■ 33.9553, 34.6147,
45.9666

■ 48.6966, 52.3583,
48.6145

■ 27.9854, 27.4271,
44.8939

■ 57.5394, 63.0002,
50.2026

■ 22.8981, 21.3009,
43.9796

■ 67.4083, 74.8757,
51.9746

■ 18.6514, 16.1856,
43.2161

■ 78.3346, 88.0225,
53.9363

■ 15.2002, 12.0271,
42.5953

■ 84.8366, 95.9146,
55.1170

■ 12.4950, 8.7658,
42.1084

■ 10.4807, 6.3358,
41.7455

■ 9.0948, 4.6619,
41.4955

■ 8.2634, 3.6557,
41.3451

Harmonies

Analogous

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



40.7531, 42.9085, 47.2286



40.8456, 42.9085, 47.2037



40.9215, 42.9085, 47.0490

Triad

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



40.8456, 42.9085, 47.2037



40.8979, 42.9085, 46.3256



40.6066, 42.9085, 46.6337

Complementary

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



40.8456, 42.9085, 47.2037



41.1677, 43.3753, 46.7604

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.



40.6453, 42.9085, 46.3927



40.8456, 42.9085, 47.2037



40.8134, 42.9085, 46.2152

Square

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



40.8456, 42.9085, 47.2037



40.9518, 42.9085, 46.5418



40.7209, 42.9085, 46.2397



40.6152, 42.9085, 46.8988

Rectangle

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



40.8456, 42.9085, 47.2037



40.9525, 42.9085, 46.8933



40.7209, 42.9085, 46.2397



40.6145, 42.9085, 46.5472

Sweetspot

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



40.8468, 42.9103, 47.2046



74.8435, 78.7412, 85.7492



41.0399, 43.2992, 47.2609



16.2198, 17.0645, 18.5832



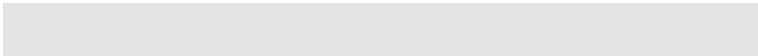
84.5950, 89.0005, 96.9216

Same Dimension

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



40.8468, 42.9103, 47.2046



73.4834, 77.1041, 85.5049



40.9549, 42.9651, 47.2095



9.3915, 9.8565, 10.9138



5.7555, 2.3113, 30.2798



0.1819, 0.0743, 0.9530

Inverse Universe

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



40.9732, 42.9859, 46.6973



73.8926, 77.3486, 83.8624



41.0592, 43.3203, 46.7555



9.4394, 9.8851, 10.7215



13.1398, 6.7735, 0.6300



0.4138, 0.2133, 0.0219

Previews

White Background



This preview shows how the XYZ color 40.8456, 42.9085, 47.2037 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 40.8456, 42.9085, 47.2037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

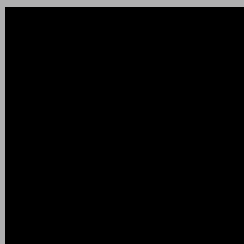
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

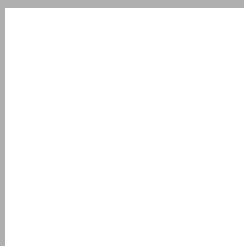
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8456, 42.9085, 47.2037

Background



This preview shows how black text looks on a background with the XYZ color 40.8456, 42.9085, 47.2037.

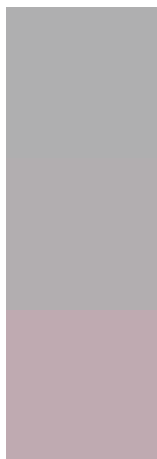


This preview shows how white text looks on a background with the XYZ color 40.8456, 42.9085,

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

40.8456, 42.9085, 47.2037

Protanopia

41.3326, 42.8717, 47.1709

Deuteranopia

43.7964, 43.0001, 47.5865



Tritanopia

42.0447, 42.8221, 53.0632

Trichromacy



Original Color

40.8456, 42.9085, 47.2037

Protanomaly

41.1040, 42.7538, 47.1602

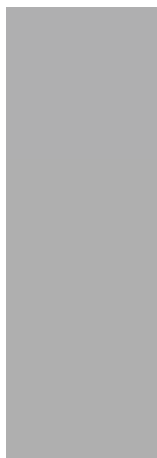
Deuteranomaly

42.6959, 42.9937, 47.6433

Tritanomaly

41.5878, 42.9211, 50.8924

Monochromacy



Original Color

40.8456, 42.9085, 47.2037

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.7470, 42.8690, 46.6844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8456, 42.9085, 47.2037 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(175, 175, 176)` looks like.

```
.text, #text, p{  
    color:rgb(175, 175, 176)  
}
```

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(175, 175, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 175, 176) }
```

Border

The CSS property to change the border of an element to XYZ 40.8456, 42.9085, 47.2037 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(175, 175, 176) }
```

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

```
.border{ border-color:rgb(175, 175, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 175, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 175, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 175, 176);  
box-shadow:4px 4px 4px 4px rgb(175, 175,  
176) }
```


Background

The CSS property to change the background color of an element to XYZ 40.8456, 42.9085, 47.2037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 175, 176) }
```

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

```
.background{ background-color: rgb(175,  
175, 176) }
```

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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