

Converting Colors

XYZ(37.6840, 46.4576, 37.8668)

Have a look what the booklet for
XYZ(37.6840, 46.4576, 37.8668)
contains.

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Color

**XYZ(37.6841, 46.4005,
37.9804)**

Conversions

Conversions Part 1

Format	Color
Hex	99BF9B
RGB	153, 191, 155
RGB Percent	60%, 75%, 61%
CMY	0.4000, 0.2510, 0.3922
CMYK	0.20, 0.00, 0.19, 0.25
HSL	123°, 23%, 67%
HSV	123°, 20%, 75%
XYZ	37.6841, 46.4005, 37.9804
YIQ	175.5340, -11.0920, -19.2520

Conversions

Conversions Part 2

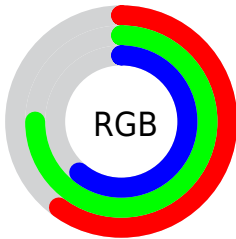
Format	Color
R_YB	153, 189, 191
Decimal	10076059
CIE Lab	73.80, -19.77, 14.05
CIE LCh	74, 24.253, 144.603
Yxy	46.4005, 0.3087, 0.3801
Android (android.graphics.Color)	4288266139 (0xFF99BF9B)
YUV	175.5340, -10.1233, -19.7623
Hunter-Lab	68.1179, -20.4568, 14.6243

Details

The XYZ color **37.6841, 46.4005, 37.9804** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.0641, 37.5340, 53.1740**, and the grayscale version is **41.0805, 43.2199, 47.0664**.

A 20% lighter version of the original color is **70.9060, 84.5846, 73.5621**, and **16.8112, 21.6575, 16.3910** is the 20% darker color. If you saturate the color by 10%, you get **32.9561, 44.1271, 30.4122**, and if you desaturate by 10%, it is **43.2195, 49.0665, 46.7771**.

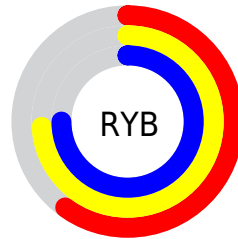
Distribution



Red (60%)

Green (75%)

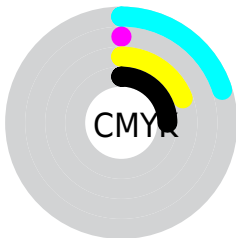
Blue (61%)



Red (60%)

Yellow (74%)

Blue (75%)

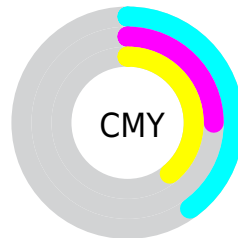


Cyan (20%)

Magenta (0%)

Yellow (19%)

Black (25%)



Cyan (40%)

Magenta (25%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6841, 46.4005, 37.9804 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 37.6841, 46.4005, 37.9804 by changing the saturation by 10% instead.

■ 37.6841, 46.4005,
37.9804

■ 37.6841, 46.4005,
37.9804

327.5672,
372.4165, 352.8316

■ 25.9137, 32.5620,
25.6658

■ 70.9307, 84.8181,
73.2812

■ 16.8914, 21.7911,
16.3502

■ 93.1376, 110.1659,
97.1044

■ 10.2519, 13.7035,
9.6153

119.5541,
140.1190, 125.6009

■ 5.6299, 7.9147,
5.0424

150.5455,
175.0616, 159.1892

■ 2.6599, 4.0404,
2.2130

186.4771,
215.3783, 198.2879

■ 0.9766, 1.6962,
0.6818

227.7144,

■ 0.0000, 0.4212,

261.4534, 243.3155

0.0000

274.6227,
313.6713, 294.6905

■ 0.0000, 0.0000,
0.0000

■ 37.6841, 46.4005,
37.9804

■ 37.6841, 46.4005,
37.9804

■ 32.9561, 44.1271,
30.4122

■ 43.2195, 49.0665,
46.7771

■ 28.9942, 42.2221,
24.0151

■ 49.5935, 52.1360,
56.8502

■ 25.7592, 40.6680,
18.7313

■ 56.8404, 55.6272,
68.2491

■ 23.2068, 39.4433,
14.4975

■ 64.9914, 59.5549,
81.0193

■ 21.2881, 38.5242,
11.2434

■ 74.0761, 63.9337,
95.2043

■ 19.9475, 37.8838,
8.8906

■ 77.9217, 65.7434,
103.1906

■ 19.1198, 37.4904,
7.3485

■ 18.6903, 37.2872,
6.5062

■ 18.6868, 37.2855,
6.5006

Harmonies

Analogous

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



40.7403, 46.4005, 31.8647



37.6841, 46.4005, 37.9804



36.3534, 46.4005, 48.3219

Triad

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



37.6841, 46.4005, 37.9804



43.3272, 46.4005, 78.0357



52.0770, 46.4005, 41.2687

Complementary

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



37.6841, 46.4005, 37.9804



42.0641, 37.5340, 53.1740

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.



52.8808, 46.4005, 52.7884



37.6841, 46.4005, 37.9804



47.6443, 46.4005, 75.3283

Square

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



37.6841, 46.4005, 37.9804



39.4727, 46.4005, 72.4513



51.2107, 46.4005, 65.5596



49.0804, 46.4005, 33.5354

Rectangle

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



37.6841, 46.4005, 37.9804



36.5569, 46.4005, 56.7473



51.2107, 46.4005, 65.5596



52.6204, 46.4005, 44.7699

Sweetspot

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



37.6853, 46.4025, 37.9814



81.5616, 89.8767, 90.3575



45.3937, 50.3955, 37.4723



17.7480, 19.6580, 19.5852



92.9021, 97.7402, 106.4391



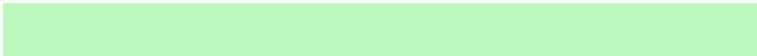
19.4759, 20.4902, 22.3138

Same Dimension

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



37.6853, 46.4025, 37.9814



63.5197, 81.1919, 61.6780



39.3993, 47.0881, 47.0071



9.4286, 10.6576, 10.2405



12.2895, 24.5061, 4.3214



0.4884, 0.9627, 0.2063

Inverse Universe

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



42.0641, 37.5340, 53.1740



72.8249, 62.3436, 93.9625



40.1437, 36.7659, 43.0618



9.9077, 9.6874, 11.9029



19.6074, 9.4741, 29.5556



0.7747, 0.3738, 1.1930

Previews

White Background



This preview shows how the XYZ color 37.6841, 46.4005, 37.9804 looks on a white background.

Color Contrast Check

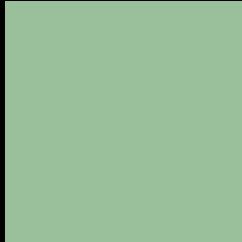
Large Text (above 18pt) WCAG AA × Fail

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 37.6841, 46.4005, 37.9804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

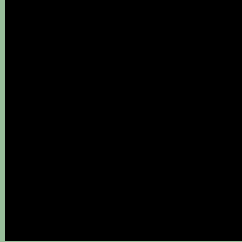
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.6841, 46.4005, 37.9804

Background



This preview shows how black text looks on a background with the XYZ color 37.6841, 46.4005, 37.9804.



This preview shows how white text looks on a background with the XYZ color 37.6841, 46.4005,

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

37.6841, 46.4005, 37.9804

Protanopia

43.3121, 45.9209, 35.4350

Deuteranopia

46.7612, 45.8625, 38.7355



Tritanopia

42.4722, 46.4451, 61.3699

Trichromacy



Original Color

37.6841, 46.4005, 37.9804

Protanomaly

40.9394, 45.8951, 36.4067

Deuteranomaly

42.9006, 45.6416, 38.4469

Tritanomaly

40.5226, 46.2704, 52.1427

Monochromacy



Original Color

37.6841, 46.4005, 37.9804

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.7402, 44.1997, 43.4827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6841, 46.4005, 37.9804 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(153, 191, 155)` looks like.

```
.text, #text, p{  
    color:rgb(153, 191, 155)  
}
```

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(153, 191, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 191, 155) }
```

Border

The CSS property to change the border of an element to XYZ 37.6841, 46.4005, 37.9804 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(153, 191, 155) }
```


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

```
.border{ border-color:rgb(153, 191, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 191, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 191, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 191, 155);  
box-shadow:4px 4px 4px 4px rgb(153, 191,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6841, 46.4005, 37.9804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 191, 155) }
```

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

```
.background{ background-color: rgb(153,  
191, 155) }
```

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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