

Converting Colors

XYZ(40.9764, 44.6789, 37.0361)

Have a look what the booklet for
XYZ(40.9764, 44.6789, 37.0361)
contains.

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Color

**XYZ(40.9764, 44.6789,
37.0361)**

Conversions

Conversions Part 1

Format	Color
Hex	B4B49A
RGB	180, 180, 154
RGB Percent	71%, 71%, 60%
CMY	0.2941, 0.2941, 0.3961
CMYK	0.00, 0.00, 0.14, 0.29
HSL	60°, 15%, 65%
HSV	60°, 14%, 71%
XYZ	40.9764, 44.6789, 37.0361
YIQ	177.0360, 8.3460, -8.0860

Conversions

Conversions Part 2

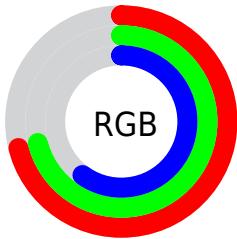
Format	Color
RYB	154, 180, 154
Decimal	11842714
CIELab	72.68, -4.52, 13.29
CIELCh	73, 14.035, 108.799
Yxy	44.6789, 0.3340, 0.3642
Android (android.graphics.Color)	4290032794 (0xFFB4B49A)
YUV	177.0360, -11.3567, 2.5994
Hunter-Lab	66.8423, -7.5479, 13.9381

Details

The XYZ color **40.9764, 44.6789, 37.0361** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.1220, 33.2777, 47.8600**, and the grayscale version is **41.8646, 44.0448, 47.9648**.

A 20% lighter version of the original color is **75.9727, 82.3778, 71.5708**, and **18.7899, 20.6700, 15.8313** is the 20% darker color. If you saturate the color by 10%, you get **39.5881, 44.1250, 29.7234**, and if you desaturate by 10%, it is **42.5919, 45.3267, 45.5348**.

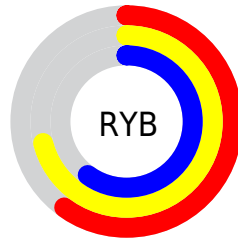
Distribution



Red (71%)

Green (71%)

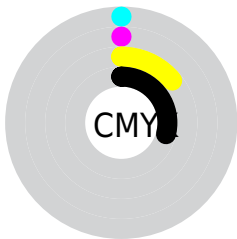
Blue (60%)



Red (60%)

Yellow (71%)

Blue (60%)

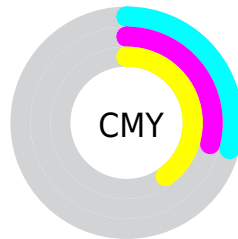


Cyan (0%)

Magenta (0%)

Yellow (14%)

Black (29%)



Cyan (29%)

Magenta (29%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9764, 44.6789, 37.0361 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 40.9764, 44.6789, 37.0361 by changing the saturation by 10% instead.

■ 40.9764, 44.6789,
37.0361

■ 40.9764, 44.6789,
37.0361

341.2862,
365.4715, 348.6402

■ 28.4882, 31.2046,
24.9394

■ 75.9230, 82.2384,
71.8153

■ 18.8364, 20.7547,
15.8133

■ 99.1121, 107.0923,
95.3348

■ 11.6554, 12.9448,
9.2392

126.5990,
136.5082, 123.4991

■ 6.5800, 7.3905,
4.7986

158.7489,
170.8705, 156.7266

■ 3.2448, 3.7075,
2.0729

195.9272,
210.5636, 195.4360

■ 1.2845, 1.5113,
0.5996

238.4993,

■ 0.1716, 0.2967,

255.9719, 240.0457

0.0000

286.8305,
307.4797, 290.9742

■ 0.0000, 0.0000,
0.0000

■ 40.9764, 44.6789,
37.0361

■ 40.9764, 44.6789,
37.0361

■ 39.5881, 44.1250,
29.7234

■ 42.5919, 45.3267,
45.5348

■ 38.4136, 43.6551,
23.5414

■ 44.4405, 46.0662,
55.2660

■ 37.4432, 43.2669,
18.4345


■ 46.5321, 46.9029,
66.2771


■ 36.6653, 42.9557,
14.3414


■ 48.8751, 47.8401,
78.6120


■ 36.0671, 42.7163,
11.1945


■ 51.4775, 48.8812,
92.3129


 35.6342, 42.5431,
8.9182


 53.1984, 49.5696,
101.3718


 35.3501, 42.4294,
7.4250

 53.1990, 49.5699,
101.3718

 35.1946, 42.3671,
6.6098

 53.1996, 49.5702,
101.3718

 35.1395, 42.3450,
6.3214

 53.2002, 49.5705,
101.3719

Harmonies

Analogous

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



43.3811, 44.6789, 36.6544



40.9764, 44.6789, 37.0361



39.0429, 44.6789, 40.3463

Triad

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



40.9764, 44.6789, 37.0361



39.4587, 44.6789, 59.4392



47.2217, 44.6789, 51.2967

Complementary

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



40.9764, 44.6789, 37.0361



33.1220, 33.2777, 47.8600

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.



46.0835, 44.6789, 58.0163



40.9764, 44.6789, 37.0361



41.5638, 44.6789, 63.0076

Square

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



40.9764, 44.6789, 37.0361



38.1900, 44.6789, 53.0935



43.9912, 44.6789, 62.4633



47.0497, 44.6789, 44.4573

Rectangle

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



40.9764, 44.6789, 37.0361



38.2525, 44.6789, 43.9620



43.9912, 44.6789, 62.4633



46.9779, 44.6789, 53.6551

Sweetspot

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



40.9776, 44.6809, 37.0371



77.3426, 82.2298, 83.1843



36.2122, 35.1487, 35.4483



16.6659, 17.7526, 17.7130



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



40.9776, 44.6809, 37.0371



73.5395, 80.7084, 63.1651



38.0920, 43.1933, 36.9020



9.1970, 9.9066, 9.0800



24.5239, 29.5526, 4.4117



0.7717, 0.9299, 0.1388

Inverse Universe

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



33.1220, 33.2777, 47.8600



56.8240, 56.4444, 86.1945



35.7315, 34.6230, 47.9821



8.0421, 8.2302, 10.6711



5.7500, 2.3001, 30.2779



0.1810, 0.0724, 0.9527

Previews

White Background



This preview shows how the XYZ color 40.9764, 44.6789, 37.0361 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 40.9764, 44.6789, 37.0361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

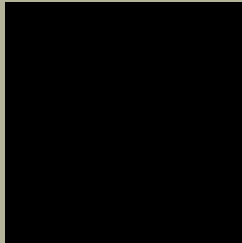
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

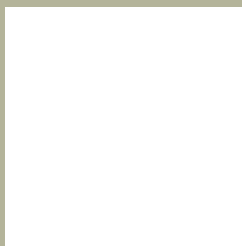
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.9764, 44.6789, 37.0361

Background



This preview shows how black text looks on a background with the XYZ color 40.9764, 44.6789, 37.0361.



This preview shows how white text looks on a background with the XYZ color 40.9764, 44.6789,

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

40.9764, 44.6789, 37.0361

Protanopia

42.1637, 44.7055, 36.5438

Deuteranopia

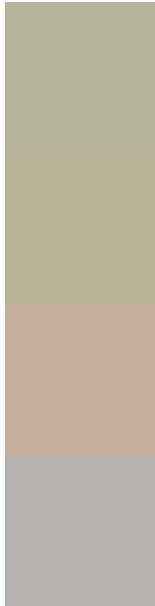
45.6551, 44.7427, 37.6824



Tritanopia

44.5229, 44.6484, 54.4155

Trichromacy



Original Color

40.9764, 44.6789, 37.0361

Protanomaly

41.6370, 44.7305, 36.5763

Deuteranomaly

43.7520, 44.6286, 37.3185

Tritanomaly

43.0871, 44.6461, 47.4209

Monochromacy



Original Color

40.9764, 44.6789, 37.0361

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.4419, 44.1703, 43.8776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9764, 44.6789, 37.0361 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(180, 180, 154)` looks like.

```
.text, #text, p{  
    color:rgb(180, 180, 154)  
}
```

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(180, 180, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 180, 154) }
```

Border

The CSS property to change the border of an element to XYZ 40.9764, 44.6789, 37.0361 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(180, 180, 154) }
```


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

```
.border{ border-color:rgb(180, 180, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 180, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 180, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 180, 154);  
box-shadow:4px 4px 4px 4px rgb(180, 180,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9764, 44.6789, 37.0361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 180, 154) }
```

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

```
.background{ background-color: rgb(180,  
180, 154) }
```

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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