

Converting Colors

XYZ(40.6302, 47.7698, 23.2618)

Have a look what the booklet for
XYZ(40.6302, 47.7698, 23.2618)
contains.

XYZ(40.7994, 48.0098, 23.3361)	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(40.7994, 48.0098,
23.3361)**

Conversions

Conversions Part 1

Format	Color
Hex	B6BE73
RGB	182, 190, 115
RGB Percent	71%, 75%, 45%
CMY	0.2863, 0.2549, 0.5490
CMYK	0.04, 0.00, 0.39, 0.25
HSL	66°, 37%, 60%
HSV	66°, 39%, 75%
XYZ	40.7994, 48.0098, 23.3361
YIQ	179.0580, 19.3070, -25.0210

Conversions

Conversions Part 2

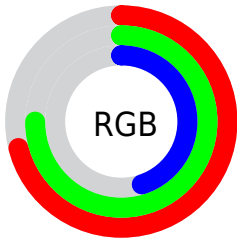
Format	Color
RYB	115, 190, 123
Decimal	11976307
CIELab	74.83, -14.34, 36.92
CIELCh	75, 39.604, 111.227
Yxy	48.0098, 0.3638, 0.4281
Android (android.graphics.Color)	4290166387 (0xFFB6BE73)
YUV	179.0580, -31.5806, 2.5801
Hunter-Lab	69.2891, -16.1500, 28.5339

Details

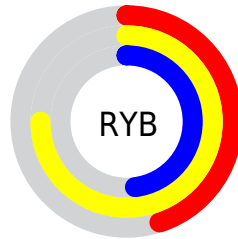
The XYZ color **40.7994, 48.0098, 23.3361** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **23.5951, 20.1913, 51.3717**, and the grayscale version is **43.0356, 45.2768, 49.3064**.

A 20% lighter version of the original color is **75.6203, 87.0894, 49.8701**, and **18.8019, 22.8622, 8.4229** is the 20% darker color. If you saturate the color by 10%, you get **39.3419, 47.3735, 18.1372**, and if you desaturate by 10%, it is **42.4916, 48.7441, 29.7242**.

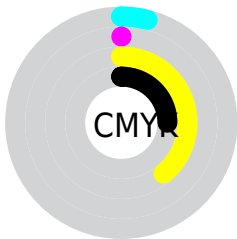
Distribution



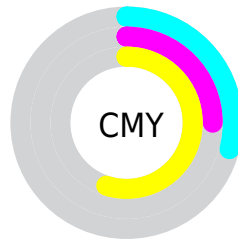
- Red (71%)
- Green (75%)
- Blue (45%)



- Red (45%)
- Yellow (75%)
- Blue (48%)



- Cyan (4%)
- Magenta (0%)
- Yellow (39%)
- Black (25%)





- Cyan (29%)
- Magenta (25%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7994, 48.0098, 23.3361 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 40.7994, 48.0098, 23.3361 by changing the saturation by 10% instead.


 40.7994, 48.0098,
23.3361


 40.7994, 48.0098,
23.3361


340.5584,
378.8310, 282.6243


 28.3494, 33.8346,
14.6342

 75.6559, 87.2190,
49.8748

 18.7310, 22.7666,
8.4193


 98.7931, 113.0218,
68.5487

 11.5789, 14.4213,
4.2728


 126.2234,
143.4693, 91.3837

 6.5278, 8.4142,
1.7762

158.3121,
178.9459, 118.7984

 3.2123, 4.3611,
0.4122

195.4246,
219.8360, 151.2112

 1.2670, 1.8776,
0.0000

237.9262,

 0.1583, 0.5348,

266.5239, 189.0408

0.0000

286.1824,
319.3941, 232.7056

■ 0.0000, 0.0000,
0.0000

■ 40.7994, 48.0098,
23.3361

■ 40.7994, 48.0098,
23.3361

■ 39.3419, 47.3735,
18.1372

■ 42.4916, 48.7441,
29.7242

■ 38.1015, 46.8233,
14.0510

■ 44.4278, 49.5751,
37.3657

■ 37.0639, 46.3549,
10.9970


■ 46.6209, 50.5097,
46.3237


■ 36.2115, 45.9614,
8.8824


■ 49.0820, 51.5523,
56.6562


■ 35.5236, 45.6345,
7.5978


■ 51.8214, 52.7070,
68.4179


 34.9615, 45.3587,
6.9411

 54.8491, 53.9779,
81.6603

 34.9330, 45.3446,
6.9112

 58.1743, 55.3686,
96.4325

 59.8120, 56.0851,
102.2808

 60.3509, 56.3629,
102.3060

Harmonies

Analogous

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



47.7766, 48.0098, 22.0594



40.7994, 48.0098, 23.3361



35.6647, 48.0098, 31.1643

Triad

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



40.7994, 48.0098, 23.3361



37.4977, 48.0098, 89.6910



60.7315, 48.0098, 58.5593

Complementary

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



40.7994, 48.0098, 23.3361



23.5951, 20.1913, 51.3717

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.



57.3020, 48.0098, 81.2510



40.7994, 48.0098, 23.3361



43.5523, 48.0098, 102.0818

Square

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



40.7994, 48.0098, 23.3361



33.9025, 48.0098, 67.9888



50.8316, 48.0098, 98.6420



59.7955, 48.0098, 39.1898

Rectangle

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



40.7994, 48.0098, 23.3361



33.7364, 48.0098, 40.5222



50.8316, 48.0098, 98.6420



60.0388, 48.0098, 66.1042

Sweetspot

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



40.8006, 48.0120, 23.3371



83.3509, 91.0461, 79.2827



31.3524, 26.2284, 19.6304



18.1855, 19.9428, 16.9272



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.



40.8006, 48.0120, 23.3371



71.7132, 86.0295, 34.3324



33.1868, 44.0869, 22.9808



10.2192, 11.0674, 10.1743



23.2670, 30.1705, 4.5972



0.9405, 1.1968, 0.1814

Inverse Universe

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



23.5951, 20.1913, 51.3717



36.3866, 28.8799, 91.9357



29.9237, 23.4538, 51.6679



9.1085, 9.2728, 11.9820



6.4091, 2.5901, 32.5550



0.2830, 0.1179, 1.2767

Previews

White Background



This preview shows how the XYZ color 40.7994, 48.0098, 23.3361 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 40.7994, 48.0098, 23.3361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

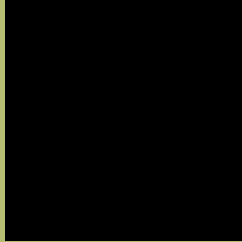
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7994, 48.0098, 23.3361

Background



This preview shows how black text looks on a background with the XYZ color 40.7994, 48.0098, 23.3361.



This preview shows how white text looks on a background with the XYZ color 40.7994, 48.0098,

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

40.7994, 48.0098, 23.3361

Protanopia

44.2085, 47.8907, 22.5366

Deuteranopia

48.9195, 47.8883, 23.8046



Tritanopia

47.9098, 47.7891, 58.3289

Trichromacy



Original Color

40.7994, 48.0098, 23.3361

Protanomaly

42.8443, 47.8021, 22.8882

Deuteranomaly

45.4669, 47.5975, 23.6205

Tritanomaly

44.7625, 47.7255, 42.9291

Monochromacy



Original Color

40.7994, 48.0098, 23.3361

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.7566, 45.9706, 38.1249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7994, 48.0098, 23.3361 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(182, 190, 115)` looks like.

```
.text, #text, p{  
    color:rgb(182, 190, 115)  
}
```

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(182, 190, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 190, 115) }
```

Border

The CSS property to change the border of an element to XYZ 40.7994, 48.0098, 23.3361 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(182, 190, 115) }
```


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

```
.border{ border-color:rgb(182, 190, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 190, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 190, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 190, 115);  
box-shadow:4px 4px 4px 4px rgb(182, 190,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7994, 48.0098, 23.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 190, 115) }
```

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

```
.background{ background-color: rgb(182,  
190, 115) }
```

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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