

Converting Colors

XYZ(36.4400, 39.9655, 10.3510)

Have a look what the booklet for
XYZ(36.4400, 39.9655, 10.3510)
contains.

XYZ(36.4794, 40.0444, 10.3641)	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(36.4794, 40.0444,
10.3641)**

Conversions

Conversions Part 1

Format	Color
Hex	BEAA3E
RGB	190, 170, 62
RGB Percent	75%, 67%, 24%
CMY	0.2549, 0.3333, 0.7568
CMYK	0.00, 0.11, 0.67, 0.25
HSL	51°, 51%, 49%
HSV	51°, 67%, 75%
XYZ	36.4794, 40.0444, 10.3641
YIQ	163.6680, 46.5880, -29.3480

Conversions

Conversions Part 2

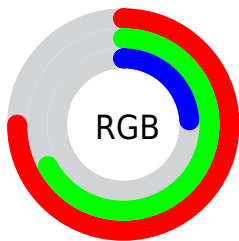
Format	Color
R _Y B	86, 190, 62
Decimal	12495422
CIE Lab	69.50, -5.18, 56.10
CIE LCh	70, 56.337, 95.273
Yxy	40.0444, 0.4198, 0.4609
Android (android.graphics.Color)	4290685502 (0xFFBEAA3E)
YUV	163.6680, -50.1223, 23.0932
Hunter-Lab	63.2806, -7.8412, 34.5859

Details

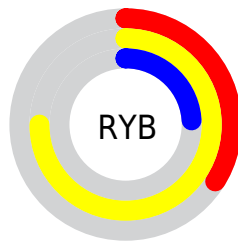
The XYZ color **36.4794, 40.0444, 10.3641** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.2981, 10.7761, 50.0412**, and the grayscale version is **35.3448, 37.1855, 40.4950**.

A 20% lighter version of the original color is **69.0866, 75.2280, 27.0988**, and **16.1513, 17.9434, 2.6122** is the 20% darker color. If you saturate the color by 10%, you get **35.4967, 38.7726, 7.8988**, and if you desaturate by 10%, it is **37.6588, 41.4180, 13.7949**.

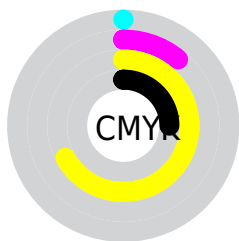
Distribution



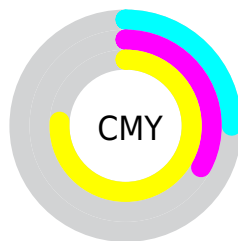
- Red (75%)
- Green (67%)
- Blue (24%)



- Red (34%)
- Yellow (75%)
- Blue (24%)



- Cyan (0%)
- Magenta (11%)
- Yellow (67%)
- Black (25%)





- Cyan (25%)
- Magenta (33%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4794, 40.0444, 10.3641 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 36.4794, 40.0444, 10.3641 by changing the saturation by 10% instead.


 36.4794, 40.0444,
10.3641


 36.4794, 40.0444,
10.3641


322.4459,
346.3107, 203.8296


 24.9765, 27.5732,
5.5323


 69.0904, 75.2311,
27.0966

 16.1882, 18.0042,
2.4987


 90.9292, 98.7154,
39.8343


 9.7491, 10.9530,
0.8395


 116.9441,
126.6395, 56.0444

 5.2939, 6.0352,
0.0000

 147.5003,
159.3877, 76.1454

 2.4572, 2.8665,
0.0000

 182.9632,
197.3446, 100.5560

 0.8737, 1.0624,
0.0000

223.6982,

 0.0000, 0.0000,

240.8944, 129.6945

0.0000

270.0707,
290.4217, 163.9795

■ 36.4794, 40.0444,
10.3641

■ 36.4794, 40.0444,
10.3641

■ 35.4967, 38.7726,
7.8988

■ 37.6588, 41.4180,
13.7949

■ 34.6878, 37.5887,
6.2915

■ 39.0492, 42.8948,
18.2788

■ 34.0250, 36.4832,
5.3923

■ 40.6669, 44.4828,
23.8964

■ 33.8613, 36.1997,
5.2026

■ 42.5255, 46.1877,
30.7197

■ 44.6377, 48.0146,
38.8147

■ 47.0151, 49.9683,
48.2427

■ 49.6687, 52.0534,
59.0610

■ 52.6089, 54.2741,
71.3234

■ 55.8454, 56.6344,
85.0810

Harmonies

Analogous

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



45.8390, 40.0444, 12.1339



36.4794, 40.0444, 10.3641



28.8451, 40.0444, 14.1992

Triad

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



36.4794, 40.0444, 10.3641



25.5153, 40.0444, 79.3076



56.2183, 40.0444, 68.0325

Complementary

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



36.4794, 40.0444, 10.3641



14.2981, 10.7761, 50.0412

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.



49.0564, 40.0444, 98.4702



36.4794, 40.0444, 10.3641



31.2167, 40.0444, 106.5914

Square

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



36.4794, 40.0444, 10.3641



23.1917, 40.0444, 48.3586



39.6877, 40.0444, 114.7238



58.2216, 40.0444, 39.1672

Rectangle

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



36.4794, 40.0444, 10.3641



25.4424, 40.0444, 20.8743



39.6877, 40.0444, 114.7238



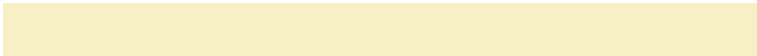
54.2842, 40.0444, 78.7280

Sweetspot

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



36.4803, 40.0463, 10.3649



79.7096, 86.0076, 65.7535



24.5322, 15.0224, 9.8584



17.2624, 18.6787, 13.5129



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.



36.4803, 40.0463, 10.3649



63.5638, 69.1819, 12.6922



31.3755, 43.4084, 11.2829



10.1919, 10.8597, 10.1356



22.5631, 24.1650, 3.4751



0.9185, 1.0160, 0.1477

Inverse Universe

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



14.2981, 10.7761, 50.0412



20.7600, 12.8319, 89.6618



16.8039, 10.1465, 49.7876



9.1336, 9.4596, 12.0167



6.5213, 3.1544, 32.6581



0.2940, 0.2006, 1.2921

Previews

White Background



This preview shows how the XYZ color 36.4794, 40.0444, 10.3641 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 36.4794, 40.0444, 10.3641 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 36.4794, 40.0444, 10.3641

Background



This preview shows how black text looks on a background with the XYZ color 36.4794, 40.0444, 10.3641.



This preview shows how white text looks on a background with the XYZ color 36.4794, 40.0444,

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

36.4794, 40.0444, 10.3641

Protanopia

36.4794, 40.0444, 10.3641

Deuteranopia

40.8504, 39.8684, 10.5434



Tritanopia

43.3977, 39.9169, 44.4472

Trichromacy



Original Color

36.4794, 40.0444, 10.3641

Protanomaly

36.4794, 40.0444, 10.3641

Deuteranomaly

39.1027, 39.7585, 10.4637

Tritanomaly

40.0270, 39.5961, 27.3630

Monochromacy



Original Color

36.4794, 40.0444, 10.3641

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.7006, 37.6890, 25.5245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4794, 40.0444, 10.3641 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(190, 170, 62)` looks like.

```
.text, #text, p{  
    color:rgb(190, 170, 62)  
}
```

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(190, 170, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 170, 62) }
```

Border

The CSS property to change the border of an element to XYZ 36.4794, 40.0444, 10.3641 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(190, 170, 62) }
```


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

```
.border{ border-color:rgb(190, 170, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 170, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 170, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 170, 62);  
box-shadow:4px 4px 4px 4px rgb(190, 170,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4794, 40.0444, 10.3641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 170, 62) }
```

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

```
.background{ background-color: rgb(190,  
170, 62) }
```

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