

Converting Colors

XYZ(32.5421, 36.7749, 16.4494)

Have a look what the booklet for
XYZ(32.5421, 36.7749, 16.4494)
contains.

XYZ(32.5421, 36.7749, 16.4494)	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(32.5421, 36.7749,
16.4494)**

Conversions

Conversions Part 1

Format	Color
Hex	ABA660
RGB	171, 166, 96
RGB Percent	67%, 65%, 38%
CMY	0.3294, 0.3490, 0.6235
CMYK	0.00, 0.03, 0.44, 0.33
HSL	56°, 31%, 52%
HSV	56°, 44%, 67%
XYZ	32.5421, 36.7749, 16.4494
YIQ	159.5150, 25.4500, -20.7100

Conversions

Conversions Part 2

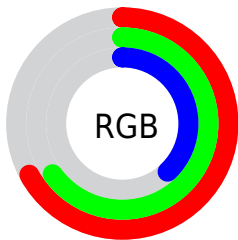
Format	Color
RYB	101, 171, 96
Decimal	11249248
CIELab	67.11, -8.43, 36.77
CIELCh	67, 37.725, 102.919
Yxy	36.7749, 0.3794, 0.4288
Android (android.graphics.Color)	4289439328 (0xFFABA660)
YUV	159.5150, -31.3129, 10.0723
Hunter-Lab	60.6423, -10.3367, 26.3670

Details

The XYZ color **32.5421, 36.7749, 16.4494** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.8281, 14.7339, 40.4849**, and the grayscale version is **33.3224, 35.0578, 38.1779**.

A 20% lighter version of the original color is **63.1967, 70.3450, 38.2641**, and **13.8665, 16.0218, 5.0510** is the 20% darker color. If you saturate the color by 10%, you get **31.6332, 36.0828, 12.6759**, and if you desaturate by 10%, it is **33.6259, 37.5425, 21.1270**.

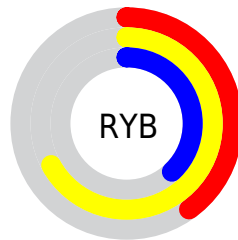
Distribution



Red (67%)

Green (65%)

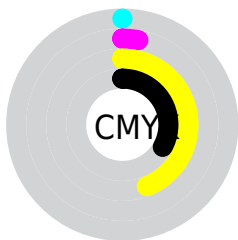
Blue (38%)



Red (40%)

Yellow (67%)

Blue (38%)

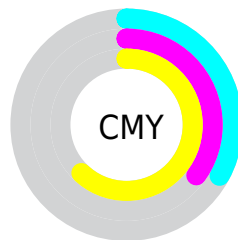


Cyan (0%)

Magenta (3%)

Yellow (44%)

Black (33%)



Cyan (33%)

Magenta (35%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.5421, 36.7749, 16.4494 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 32.5421, 36.7749, 16.4494 by changing the saturation by 10% instead.

■ 32.5421, 36.7749,
16.4494

■ 32.5421, 36.7749,
16.4494

305.2829,
332.3349, 243.9147

■ 21.9334, 25.0333,
9.6849

■ 63.0194, 70.2264,
38.1542

■ 13.9243, 16.1018,
5.0877

■ 83.6189, 92.7051,
53.9317

■ 8.1494, 9.5962,
2.2392

■ 108.2792,
119.5316, 73.5505

■ 4.2433, 5.1321,
0.6968

■ 137.3659,
151.0903, 97.4293

■ 1.8407, 2.3250,
0.0000

171.2443,
187.7656, 125.9866

■ 0.5420, 0.7869,
0.0000

210.2797,

■ 0.0000, 0.0000,

229.9419, 159.6409

0.0000

254.8374,
278.0035, 198.8107

■ 32.5421, 36.7749,
16.4494

■ 32.5421, 36.7749,
16.4494

■ 31.6332, 36.0828,
12.6759

■ 33.6259, 37.5425,
21.1270

■ 30.8852, 35.4568,
9.7450

■ 34.8922, 38.3847,
26.7601

■ 30.2866, 34.8934,
7.5915


■ 36.3512, 39.3069,
33.3992


■ 29.8229, 34.3868,
6.1393


■ 38.0117, 40.3127,
41.0902


■ 29.4767, 33.9302,
5.2973


■ 39.8819, 41.4054,
49.8765

 29.2979, 33.6647,
4.9538

 41.9697, 42.5880,
59.7989

 44.2823, 43.8636,
70.8963

 46.8267, 45.2348,
83.2055

 49.6098, 46.7046,
96.7618

Harmonies

Analogous

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



38.2984, 36.7749, 16.7800



32.5421, 36.7749, 16.4494



27.9598, 36.7749, 21.0595

Triad

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



32.5421, 36.7749, 16.4494



27.4741, 36.7749, 65.6704



46.6078, 36.7749, 50.0678

Complementary

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



32.5421, 36.7749, 16.4494



16.8281, 14.7339, 40.4849

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.



43.0256, 36.7749, 67.9547



32.5421, 36.7749, 16.4494



31.8092, 36.7749, 78.5199

Square

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



32.5421, 36.7749, 16.4494



25.2569, 36.7749, 47.5371



37.4810, 36.7749, 79.4548



46.8596, 36.7749, 33.3786

Rectangle

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



32.5421, 36.7749, 16.4494



26.0142, 36.7749, 27.3005



37.4810, 36.7749, 79.4548



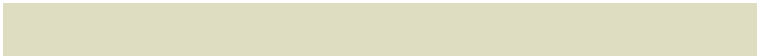
45.7366, 36.7749, 56.2341

Sweetspot

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



32.5430, 36.7766, 16.4502



65.2796, 70.5058, 60.6260



23.3266, 17.9636, 14.5502



14.4240, 15.6403, 12.9068



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



32.5430, 36.7766, 16.4502



56.6420, 64.6135, 22.6549



27.2385, 35.4164, 16.4672



8.6163, 9.2375, 8.5423



22.1016, 25.4088, 3.7395



0.6282, 0.7335, 0.1085

Inverse Universe

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



16.8281, 14.7339, 40.4849



24.7103, 19.8357, 71.5282



20.5113, 15.9345, 40.5225



7.6202, 7.8397, 10.0643



5.6501, 2.4341, 29.2165



0.1707, 0.0948, 0.8173

Previews

White Background



This preview shows how the XYZ color 32.5421, 36.7749, 16.4494 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 32.5421, 36.7749, 16.4494 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 32.5421, 36.7749, 16.4494

Background



This preview shows how black text looks on a background with the XYZ color 32.5421, 36.7749, 16.4494.



This preview shows how white text looks on a background with the XYZ color 32.5421, 36.7749,

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

32.5421, 36.7749, 16.4494

Protanopia

33.7532, 36.6043, 16.1128

Deuteranopia

37.3818, 36.6645, 16.6620



Tritanopia

37.9031, 36.5999, 43.0970

Trichromacy



Original Color

32.5421, 36.7749, 16.4494

Protanomaly

33.2455, 36.6072, 16.1402

Deuteranomaly

35.4675, 36.6960, 16.5230

Tritanomaly

35.4332, 36.3549, 31.1363

Monochromacy



Original Color

32.5421, 36.7749, 16.4494

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.7455, 35.5393, 28.8008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5421, 36.7749, 16.4494 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(171, 166, 96)` looks like.

```
.text, #text, p{  
    color:rgb(171, 166, 96)  
}
```

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(171, 166, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 166, 96) }
```

Border

The CSS property to change the border of an element to XYZ 32.5421, 36.7749, 16.4494 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(171, 166, 96) }
```


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

```
.border{ border-color:rgb(171, 166, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 166, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 166, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 166, 96);  
box-shadow:4px 4px 4px 4px rgb(171, 166,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5421, 36.7749, 16.4494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 166, 96) }
```

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

```
.background{ background-color: rgb(171,  
166, 96) }
```

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