

Converting Colors

XYZ(36.4415, 41.7239, 31.4658)

Have a look what the booklet for
XYZ(36.4415, 41.7239, 31.4658)
contains.

XYZ(36.4540, 41.8709, 31.3599)	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(36.4540, 41.8709,
31.3599)**

Conversions

Conversions Part 1

Format	Color
Hex	A6B28D
RGB	166, 178, 141
RGB Percent	65%, 70%, 55%
CMY	0.3490, 0.3019, 0.4471
CMYK	0.07, 0.00, 0.21, 0.30
HSL	79°, 19%, 63%
HSV	79°, 21%, 70%
XYZ	36.4540, 41.8709, 31.3599
YIQ	170.1940, 4.7250, -14.0510

Conversions

Conversions Part 2

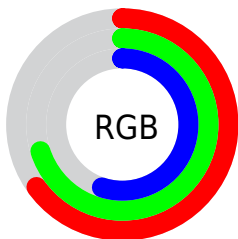
Format	Color
RYB	141, 178, 153
Decimal	10924685
CIELab	70.78, -10.78, 17.54
CIELCh	71, 20.593, 121.572
Yxy	41.8709, 0.3324, 0.3817
Android (android.graphics.Color)	4289114765 (0xFFA6B28D)
YUV	170.1940, -14.3926, -3.6781
Hunter-Lab	64.7077, -12.6781, 16.5612

Details

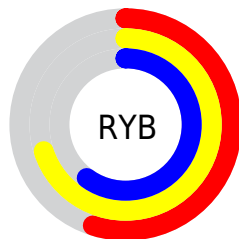
The XYZ color **36.4540, 41.8709, 31.3599** is a light color, and the websafe version is hex **999966**. A complement of this color would be **30.6994, 29.0376, 46.1086**, and the grayscale version is **38.3741, 40.3725, 43.9657**.

A 20% lighter version of the original color is **69.0919, 78.1579, 63.0742**, and **16.1614, 19.0000, 12.7131** is the 20% darker color. If you saturate the color by 10%, you get **34.0514, 40.7745, 24.8806**, and if you desaturate by 10%, it is **39.1260, 43.0841, 38.9648**.

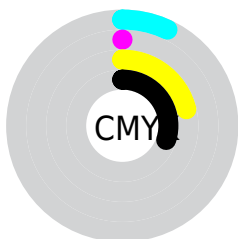
Distribution



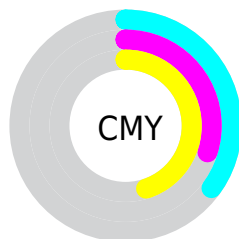
- Red (65%)
- Green (70%)
- Blue (55%)



- Red (55%)
- Yellow (70%)
- Blue (60%)



- Cyan (7%)
- Magenta (0%)
- Yellow (21%)
- Black (30%)



- Cyan (35%)
- Magenta (30%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4540, 41.8709, 31.3599 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 36.4540, 41.8709, 31.3599 by changing the saturation by 10% instead.

■ 36.4540, 41.8709,
31.3599

■ 36.4540, 41.8709,
31.3599

322.3373,
353.9475, 322.5954

■ 24.9568, 29.0002,
20.6123

■ 69.0515, 78.0042,
62.8925

■ 16.1734, 19.0810,
12.6524

■ 90.8825, 102.0356,
84.5145

■ 9.7386, 11.7288,
7.0617

■ 116.8888,
130.5560, 110.5984

■ 5.2869, 6.5593,
3.4217

147.4358,
163.9499, 141.5628

■ 2.4530, 3.1881,
1.3138

182.8888,
202.6016, 177.8261

■ 0.8716, 1.2307,
0.0730

223.6131,

■ 0.0000, 0.0866,

246.8955, 219.8070

0.0000

269.9742,
297.2160, 267.9239

■ 0.0000, 0.0000,
0.0000

■ 36.4540, 41.8709,
31.3599

■ 36.4540, 41.8709,
31.3599

■ 34.0514, 40.7745,
24.8806

■ 39.1260, 43.0841,
38.9648

■ 31.9042, 39.7851,
19.4706

■ 42.0744, 44.4128,
47.7425

■ 30.0017, 38.8997,
15.0731


■ 45.3099, 45.8628,
57.7409


■ 28.3312, 38.1131,
11.6246


■ 48.8414, 47.4378,
69.0042


■ 26.8785, 37.4196,
9.0548


■ 52.6777, 49.1412,
81.5745


 25.6277, 36.8127,
7.2833


 56.8271, 50.9765,
95.4922

 24.5599, 36.2848,
6.2152

 59.5424, 52.2449,
101.5538

 23.7029, 35.8541,
5.6713

 61.1795, 53.0889,
101.6304

 62.8763, 53.9636,
101.7098

Harmonies

Analogous

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



39.6170, 41.8709, 29.2437



36.4540, 41.8709, 31.3599



34.2922, 41.8709, 37.2036

Triad

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



36.4540, 41.8709, 31.3599



36.7494, 41.8709, 64.2285



46.7354, 41.8709, 45.0758

Complementary

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



36.4540, 41.8709, 31.3599



30.6994, 29.0376, 46.1086

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.



45.8615, 41.8709, 55.1512



36.4540, 41.8709, 31.3599



39.9776, 41.8709, 67.1143

Square

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



36.4540, 41.8709, 31.3599



34.4558, 41.8709, 56.1731



43.3384, 41.8709, 63.5817



45.6636, 41.8709, 36.4279

Rectangle

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



36.4540, 41.8709, 31.3599



33.6430, 41.8709, 42.8867



43.3384, 41.8709, 63.5817



46.6592, 41.8709, 48.4052

Sweetspot

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



36.4551, 41.8727, 31.3608



73.3892, 79.2277, 77.8413



34.5143, 34.0793, 29.9588



16.1839, 17.5189, 17.0216



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.



36.4551, 41.8727, 31.3608



64.0218, 74.9794, 51.1617



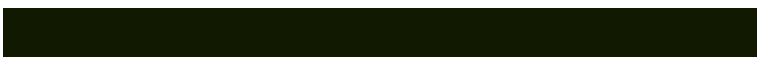
32.9031, 40.0416, 31.1946



8.9237, 9.7658, 9.0672



17.0268, 25.6877, 4.0608



0.5937, 0.8381, 0.1305

Inverse Universe

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



30.6994, 29.0376, 46.1086



51.6718, 47.4343, 82.8135



34.4041, 30.9475, 46.2820



8.2930, 8.3595, 10.6828



7.0472, 2.9688, 30.3386



0.2845, 0.1257, 0.9575

Previews

White Background



This preview shows how the XYZ color 36.4540, 41.8709, 31.3599 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 36.4540, 41.8709, 31.3599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

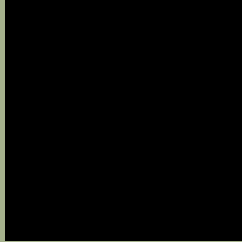
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.4540, 41.8709, 31.3599

Background



This preview shows how black text looks on a background with the XYZ color 36.4540, 41.8709, 31.3599.



This preview shows how white text looks on a background with the XYZ color 36.4540, 41.8709,

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

36.4540, 41.8709, 31.3599

Protanopia

39.2982, 41.9125, 30.0634

Deuteranopia

42.4136, 41.5350, 31.7682



Tritanopia

40.6287, 41.8209, 52.3852

Trichromacy



Original Color

36.4540, 41.8709, 31.3599

Protanomaly

38.1216, 41.8711, 30.4988

Deuteranomaly

39.9962, 41.3938, 31.4730

Tritanomaly

38.9693, 41.7204, 44.0292

Monochromacy



Original Color

36.4540, 41.8709, 31.3599

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.5638, 40.8254, 38.7011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4540, 41.8709, 31.3599 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(166, 178, 141)` looks like.

```
.text, #text, p{  
    color:rgb(166, 178, 141)  
}
```

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(166, 178, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 178, 141) }
```

Border

The CSS property to change the border of an element to XYZ 36.4540, 41.8709, 31.3599 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(166, 178, 141) }
```


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

```
.border{ border-color:rgb(166, 178, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 178, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 178, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 178, 141);  
box-shadow:4px 4px 4px 4px rgb(166, 178,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4540, 41.8709, 31.3599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 178, 141) }
```

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

```
.background{ background-color: rgb(166,  
178, 141) }
```

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