

Converting Colors

XYZ(36.0414, 41.8654, 28.6898)

Have a look what the booklet for
XYZ(36.0414, 41.8654, 28.6898)
contains.

XYZ(36.1491, 42.0684, 28.7690)	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(36.1491, 42.0684,
28.7690)**

Conversions

Conversions Part 1

Format	Color
Hex	A6B386
RGB	166, 179, 134
RGB Percent	65%, 70%, 53%
CMY	0.3490, 0.2980, 0.4745
CMYK	0.07, 0.00, 0.25, 0.30
HSL	77°, 23%, 61%
HSV	77°, 25%, 70%
XYZ	36.1491, 42.0684, 28.7690
YIQ	169.9830, 6.6970, -16.7510

Conversions

Conversions Part 2

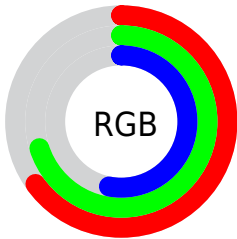
Format	Color
RYB	134, 179, 147
Decimal	10924934
CIELab	70.92, -12.38, 21.52
CIELCh	71, 24.831, 119.918
Yxy	42.0684, 0.3379, 0.3932
Android (android.graphics.Color)	4289115014 (0xFFA6B386)
YUV	169.9830, -17.7396, -3.4931
Hunter-Lab	64.8602, -14.0203, 19.1038

Details

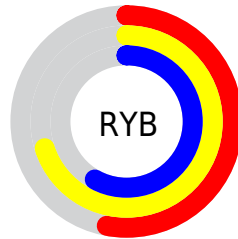
The XYZ color **36.1491, 42.0684, 28.7690** is a light color, and the websafe version is hex **999966**. A complement of this color would be **28.6960, 26.5090, 46.2544**, and the grayscale version is **38.2842, 40.2780, 43.8627**.

A 20% lighter version of the original color is **68.4968, 78.3767, 58.5318**, and **16.0005, 19.1392, 11.2384** is the 20% darker color. If you saturate the color by 10%, you get **33.9426, 41.0645, 22.6911**, and if you desaturate by 10%, it is **38.6127, 43.1831, 35.9638**.

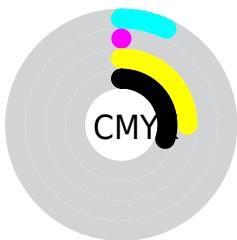
Distribution



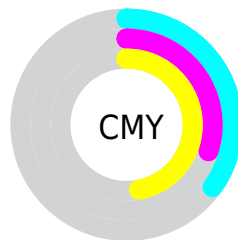
- Red (65%)
- Green (70%)
- Blue (53%)



- Red (53%)
- Yellow (70%)
- Blue (58%)



- Cyan (7%)
- Magenta (0%)
- Yellow (25%)
- Black (30%)



- Cyan (35%)
- Magenta (30%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1491, 42.0684, 28.7690 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 36.1491, 42.0684, 28.7690 by changing the saturation by 10% instead.

■ 36.1491, 42.0684,
28.7690

■ 36.1491, 42.0684,
28.7690

321.0316,
354.7664, 310.1502

■ 24.7200, 29.1549,
18.6621

■ 68.5845, 78.3031,
58.7477

■ 15.9962, 19.1980,
11.2520

■ 90.3215, 102.3931,
79.4565

■ 9.6123, 11.8134,
6.1203

■ 116.2252,
130.9774, 104.5364

■ 5.2029, 6.6168,
2.8484

146.6610,
164.4403, 134.4058

■ 2.4028, 3.2236,
1.0178

181.9942,
203.1662, 169.4834

■ 0.8465, 1.2496,
0.0000

222.5901,

■ 0.0000, 0.1016,

247.5396, 210.1876

0.0000

268.8141,
297.9449, 256.9370

■ 0.0000, 0.0000,
0.0000

■ 36.1491, 42.0684,
28.7690

■ 36.1491, 42.0684,
28.7690

■ 33.9426, 41.0645,
22.6911

■ 38.6127, 43.1831,
35.9638

■ 31.9789, 40.1612,
17.6715

■ 41.3407, 44.4071,
44.3249

■ 30.2470, 39.3556,
13.6499


■ 44.3437, 45.7464,
53.9020


■ 28.7335, 38.6422,
10.5595


■ 47.6311, 47.2046,
64.7411


■ 27.4237, 38.0151,
8.3247


■ 51.2116, 48.7853,
76.8860


 26.3005, 37.4673,
6.8585

 55.0936, 50.4919,
90.3781

 25.3431, 36.9906,
6.0540

 58.5841, 52.0473,
101.5662

 24.9153, 36.7755,
5.7852

 60.0092, 52.7820,
101.6329

 61.4816, 53.5411,
101.7018

Harmonies

Analogous

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



39.9961, 42.0684, 26.6006



36.1491, 42.0684, 28.7690



33.4923, 42.0684, 35.3142

Triad

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



36.1491, 42.0684, 28.7690



36.1307, 42.0684, 68.4675



48.4736, 42.0684, 45.8379

Complementary

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



36.1491, 42.0684, 28.7690



28.6960, 26.5090, 46.2544

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.



47.2663, 42.0684, 58.1922



36.1491, 42.0684, 28.7690



39.9734, 42.0684, 72.5554

Square

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



36.1491, 42.0684, 28.7690



33.4822, 42.0684, 58.1260



44.0826, 42.0684, 68.5101



47.2790, 42.0684, 35.3617

Rectangle

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



36.1491, 42.0684, 28.7690



32.6569, 42.0684, 41.9339



44.0826, 42.0684, 68.5101



48.3342, 42.0684, 49.9080

Sweetspot

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



36.1502, 42.0703, 28.7699



72.5223, 78.8501, 74.6720



33.2898, 32.0960, 26.9954



15.9033, 17.3957, 16.0382



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.



36.1502, 42.0703, 28.7699



62.5636, 74.3529, 45.4396



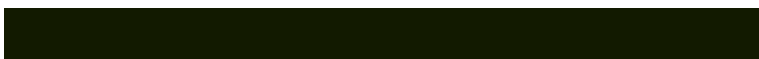
31.8825, 39.8702, 28.5702



8.9531, 9.7809, 9.0685



17.6722, 26.0204, 4.0910



0.6103, 0.8467, 0.1313

Inverse Universe

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



28.6960, 26.5090, 46.2544



46.9913, 41.8354, 81.9795



33.0791, 28.7686, 46.4595



8.2650, 8.3451, 10.6815



6.7975, 2.8400, 30.3269



0.2731, 0.1199, 0.9570

Previews

White Background



This preview shows how the XYZ color 36.1491, 42.0684, 28.7690 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 36.1491, 42.0684, 28.7690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

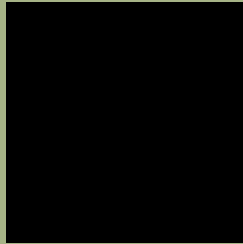
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.1491, 42.0684, 28.7690

Background



This preview shows how black text looks on a background with the XYZ color 36.1491, 42.0684, 28.7690.



This preview shows how white text looks on a background with the XYZ color 36.1491, 42.0684,

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

36.1491, 42.0684, 28.7690

Protanopia

39.0479, 41.8401, 27.4906

Deuteranopia

42.5087, 41.6351, 29.4628



Tritanopia

40.8490, 41.9345, 52.3956

Trichromacy



Original Color

36.1491, 42.0684, 28.7690

Protanomaly

37.8549, 41.7909, 27.9011

Deuteranomaly

39.9931, 41.7222, 29.2379

Tritanomaly

38.8826, 41.9960, 42.6159

Monochromacy



Original Color

36.1491, 42.0684, 28.7690

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.3916, 40.7565, 37.7943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1491, 42.0684, 28.7690 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, 179, 134)` looks like.

```
.text, #text, p{  
    color:rgb(166, 179, 134)  
}
```

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, 179, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 179, 134) }
```

Border

The CSS property to change the border of an element to XYZ 36.1491, 42.0684, 28.7690 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, 179, 134) }
```


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

```
.border{ border-color:rgb(166, 179, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 179, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 179, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 179, 134);  
box-shadow:4px 4px 4px 4px rgb(166, 179,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1491, 42.0684, 28.7690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 179, 134) }
```

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

```
.background{ background-color: rgb(166,  
179, 134) }
```

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