

Converting Colors

XYZ(36.7247, 42.7692, 24.0890)

Have a look what the booklet for
XYZ(36.7247, 42.7692, 24.0890)
contains.

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Color

**XYZ(36.7247, 42.7692,
24.0890)**

Conversions

Conversions Part 1

Format	Color
Hex	ACB478
RGB	172, 180, 120
RGB Percent	67%, 71%, 47%
CMY	0.3255, 0.2941, 0.5294
CMYK	0.04, 0.00, 0.33, 0.29
HSL	68°, 29%, 59%
HSV	68°, 33%, 71%
XYZ	36.7247, 42.7692, 24.0890
YIQ	170.7680, 14.4920, -20.3560

Conversions

Conversions Part 2

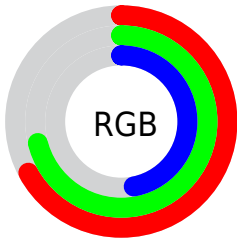
Format	Color
RYB	120, 180, 128
Decimal	11318392
CIELab	71.40, -12.54, 29.72
CIELCh	71, 32.261, 112.875
Yxy	42.7692, 0.3545, 0.4129
Android (android.graphics.Color)	4289508472 (0xFFACB478)
YUV	170.7680, -25.0286, 1.0805
Hunter-Lab	65.3982, -14.2091, 23.9396

Details

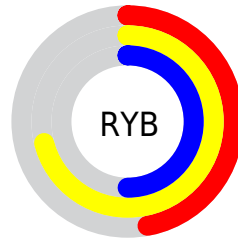
The XYZ color **36.7247, 42.7692, 24.0890** is a light color, and the websafe version is hex **999966**. A complement of this color would be **23.8584, 21.3185, 46.0398**, and the grayscale version is **38.7097, 40.7256, 44.3501**.

A 20% lighter version of the original color is **69.5332, 79.5020, 51.2158**, and **16.3345, 19.5556, 8.8749** is the 20% darker color. If you saturate the color by 10%, you get **35.2115, 42.1051, 18.8420**, and if you desaturate by 10%, it is **38.4549, 43.5242, 30.4199**.

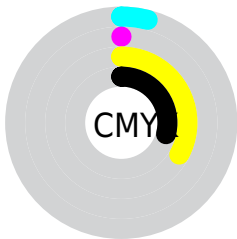
Distribution



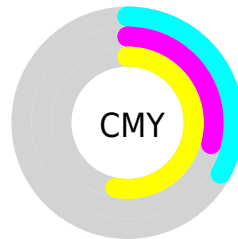
- Red (67%)
- Green (71%)
- Blue (47%)



- Red (47%)
- Yellow (71%)
- Blue (50%)



- Cyan (4%)
- Magenta (0%)
- Yellow (33%)
- Black (29%)



- Cyan (33%)
- Magenta (29%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7247, 42.7692, 24.0890 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 36.7247, 42.7692, 24.0890 by changing the saturation by 10% instead.

■ 36.7247, 42.7692,
24.0890

■ 36.7247, 42.7692,
24.0890

323.4934,
357.6617, 286.5712

■ 25.1671, 29.7041,
15.1868

■ 69.4658, 79.3625,
51.1210

■ 16.3310, 19.6141,
8.8025

■ 91.3799, 103.6594,
70.0880

■ 9.8510, 12.1148,
4.5176

■ 117.4770,
132.4690, 93.2470

■ 5.3618, 6.8219,
1.9134

148.1223,
166.1758, 121.0166

■ 2.4980, 3.3510,
0.5012

183.6813,
205.1640, 153.8152

■ 0.8942, 1.3176,
0.0000

224.5192,

■ 0.0000, 0.1548,

249.8182, 192.0615

0.0000

271.0014,
300.5226, 236.1740

■ 0.0000, 0.0000,
0.0000

■ 36.7247, 42.7692,
24.0890

■ 36.7247, 42.7692,
24.0890

■ 35.2115, 42.1051,
18.8420

■ 38.4549, 43.5242,
30.4199

■ 33.9007, 41.5215,
14.6154

■ 40.4097, 44.3687,
37.8879

■ 32.7804, 41.0152,
11.3434


■ 42.6000, 45.3084,
46.5462


■ 31.8365, 40.5806,
8.9512


■ 45.0352, 46.3473,
56.4436


■ 31.0526, 40.2111,
7.3531


■ 47.7242, 47.4888,
67.6264


 30.4092, 39.8988,
6.4463

 50.6752, 48.7362,
80.1383

 30.0311, 39.7115,
6.0823

 53.8963, 50.0928,
94.0210

 55.9108, 50.9679,
101.4987

 56.5205, 51.2822,
101.5272

Harmonies

Analogous

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



41.9600, 42.7692, 22.7477



36.7247, 42.7692, 24.0890



32.8794, 42.7692, 30.7482

Triad

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



36.7247, 42.7692, 24.0890



34.6676, 42.7692, 74.7192



51.9196, 42.7692, 50.3775

Complementary

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



36.7247, 42.7692, 24.0890



23.8584, 21.3185, 46.0398

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.



49.5595, 42.7692, 67.0540



36.7247, 42.7692, 24.0890



39.3692, 42.7692, 82.9995

Square

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



36.7247, 42.7692, 24.0890



31.7677, 42.7692, 59.1898



44.8473, 42.7692, 79.9199



51.0525, 42.7692, 35.8823

Rectangle

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



36.7247, 42.7692, 24.0890



31.4646, 42.7692, 38.3048



44.8473, 42.7692, 79.9199



51.4708, 42.7692, 55.9425

Sweetspot

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



36.7258, 42.7711, 24.0899



74.4765, 80.9654, 73.4226



29.9332, 26.4989, 21.3071



15.9816, 17.4499, 15.4168



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.



36.7258, 42.7711, 24.0899



64.5332, 76.6464, 36.4987



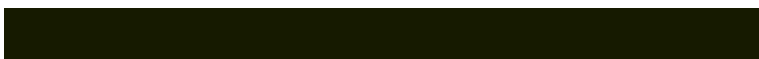
30.8682, 39.7514, 23.8158



9.0834, 9.8481, 9.0746



20.9996, 27.7358, 4.2467



0.6915, 0.8885, 0.1351

Inverse Universe

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



23.8584, 21.3185, 46.0398



37.6165, 31.7535, 82.4410



29.0566, 23.9983, 46.2831



8.1439, 8.2827, 10.6758



6.0467, 2.4530, 30.2918



0.2235, 0.0943, 0.9547

Previews

White Background



This preview shows how the XYZ color 36.7247, 42.7692, 24.0890 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 36.7247, 42.7692, 24.0890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

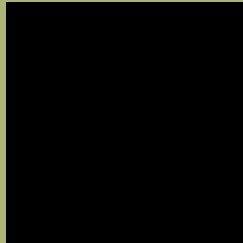
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7247, 42.7692, 24.0890

Background



This preview shows how black text looks on a background with the XYZ color 36.7247, 42.7692, 24.0890.



This preview shows how white text looks on a background with the XYZ color 36.7247, 42.7692,

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

36.7247, 42.7692, 24.0890

Protanopia

39.5863, 42.7868, 23.3118

Deuteranopia

43.4063, 42.4774, 24.6501



Tritanopia

42.3319, 42.7111, 51.9119

Trichromacy



Original Color

36.7247, 42.7692, 24.0890

Protanomaly

38.5804, 42.8435, 23.6890

Deuteranomaly

40.7711, 42.5123, 24.4692

Tritanomaly

39.8945, 42.5803, 39.8344

Monochromacy



Original Color

36.7247, 42.7692, 24.0890

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.5981, 41.1970, 35.6760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7247, 42.7692, 24.0890 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(172, 180, 120)` looks like.

```
.text, #text, p{  
    color:rgb(172, 180, 120)  
}
```

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(172, 180, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 180, 120) }
```

Border

The CSS property to change the border of an element to XYZ 36.7247, 42.7692, 24.0890 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(172, 180, 120) }
```


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

```
.border{ border-color:rgb(172, 180, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 180, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 180, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 180, 120);  
box-shadow:4px 4px 4px 4px rgb(172, 180,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7247, 42.7692, 24.0890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 180, 120) }
```

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

```
.background{ background-color: rgb(172,  
180, 120) }
```

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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