

Converting Colors

XYZ(36.2491, 42.7880, 12.1427)

Have a look what the booklet for
XYZ(36.2491, 42.7880, 12.1427)
contains.

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Color

**XYZ(36.2491, 42.7880,
12.1427)**

Conversions

Conversions Part 1

Format	Color
Hex	B4B446
RGB	180, 180, 70
RGB Percent	71%, 71%, 27%
CMY	0.2941, 0.2941, 0.7255
CMYK	0.00, 0.00, 0.61, 0.29
HSL	60°, 44%, 49%
HSV	60°, 61%, 71%
XYZ	36.2491, 42.7880, 12.1427
YIQ	167.4600, 35.3100, -34.2100

Conversions

Conversions Part 2

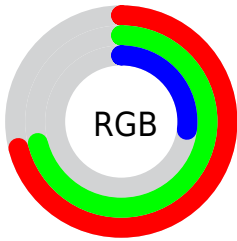
Format	Color
RYB	70, 180, 70
Decimal	11842630
CIELab	71.41, -14.17, 54.44
CIELCh	71, 56.256, 104.594
Yxy	42.7880, 0.3976, 0.4693
Android (android.graphics.Color)	4290032710 (0xFFB4B446)
YUV	167.4600, -48.0478, 10.9976
Hunter-Lab	65.4125, -15.5541, 34.7826

Details

The XYZ color **36.2491, 42.7880, 12.1427** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **12.9555, 8.9786, 44.2329**, and the grayscale version is **37.1714, 39.1072, 42.5878**.

A 20% lighter version of the original color is **68.8305, 79.5981, 30.4751**, and **15.9509, 19.4836, 3.1784** is the 20% darker color. If you saturate the color by 10%, you get **35.7642, 42.5956, 9.5859**, and if you desaturate by 10%, it is **36.9063, 43.0525, 15.5981**.

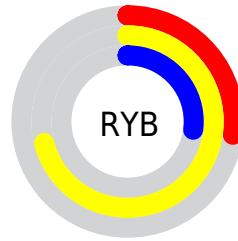
Distribution



Red (71%)

Green (71%)

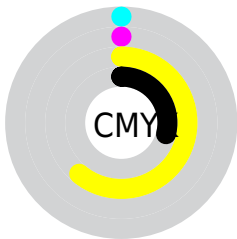
Blue (27%)



Red (27%)

Yellow (71%)

Blue (27%)

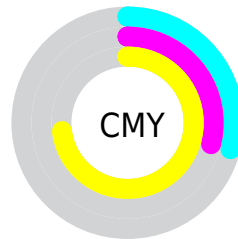


Cyan (0%)

Magenta (0%)

Yellow (61%)

Black (29%)



Cyan (29%)

Magenta (29%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2491, 42.7880, 12.1427 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 36.2491, 42.7880, 12.1427 by changing the saturation by 10% instead.

■ 36.2491, 42.7880,
12.1427

■ 36.2491, 42.7880,
12.1427

321.4603,
357.7392, 216.3591

■ 24.7976, 29.7188,
6.7172

■ 68.7377, 79.3908,
30.4230

■ 16.0543, 19.6253,
3.2101

■ 90.5056, 103.6933,
44.1149

■ 9.6537, 12.1229,
1.2029

■ 116.4430,
132.5090, 61.3994

■ 5.2304, 6.8275,
0.0000

■ 146.9153,
166.2222, 82.6950

■ 2.4192, 3.3544,
0.0000

■ 182.2878,
205.2175, 108.4202

■ 0.8547, 1.3195,
0.0000

222.9259,

■ 0.0000, 0.1562,

249.8791, 138.9936

0.0000

269.1949,
300.5916, 174.8337

■ 0.0000, 0.0000,
0.0000

■ 36.2491, 42.7880,
12.1427

■ 36.2491, 42.7880,
12.1427

■ 35.7642, 42.5956,
9.5859

■ 36.9063, 43.0525,
15.5981

■ 35.4329, 42.4630,
7.8422

■ 37.7467, 43.3887,
20.0222

■ 35.2374, 42.3848,
6.8142

■ 38.7835, 43.8034,
25.4811

■ 35.1437, 42.3473,
6.3216

■ 40.0282, 44.3013,
32.0345

■ 41.4912, 44.8866,
39.7374

■ 43.1823, 45.5630,
48.6413

■ 45.1105, 46.3343,
58.7943

■ 47.2847, 47.2040,
70.2422

■ 49.7130, 48.1754,
83.0282

Harmonies

Analogous

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



45.7025, 42.7880, 12.2209



36.2491, 42.7880, 12.1427



29.1729, 42.7880, 18.4380

Triad

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



36.2491, 42.7880, 12.1427



29.0270, 42.7880, 93.6552



60.8801, 42.7880, 61.8679

Complementary

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



36.2491, 42.7880, 12.1427



12.9555, 8.9786, 44.2329

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.



54.8459, 42.7880, 94.4897



36.2491, 42.7880, 12.1427



36.0188, 42.7880, 117.1566

Square

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



36.2491, 42.7880, 12.1427



25.4643, 42.7880, 61.0099



45.4337, 42.7880, 117.5105



60.9676, 42.7880, 34.6407

Rectangle

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



36.2491, 42.7880, 12.1427



26.3332, 42.7880, 27.5992



45.4337, 42.7880, 117.5105



59.4428, 42.7880, 72.7474

Sweetspot

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



36.2501, 42.7900, 12.1436



73.2780, 80.6039, 61.7815



22.1195, 14.5268, 7.4330



15.6823, 17.3591, 12.5337



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.



36.2501, 42.7900, 12.1436



64.6269, 77.1433, 16.2368



25.8859, 37.4470, 11.6585



9.1970, 9.9067, 9.0800



24.5266, 29.5540, 4.4118



0.7717, 0.9299, 0.1388

Inverse Universe

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



12.9555, 8.9786, 44.2329



18.8065, 10.6364, 79.3564



18.8871, 12.0365, 44.5105



8.0420, 8.2302, 10.6711



5.7499, 2.3000, 30.2779



0.1809, 0.0724, 0.9527

Previews

White Background



This preview shows how the XYZ color 36.2491, 42.7880, 12.1427 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 36.2491, 42.7880, 12.1427 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 36.2491, 42.7880, 12.1427

Background



This preview shows how black text looks on a background with the XYZ color 36.2491, 42.7880, 12.1427.



This preview shows how white text looks on a background with the XYZ color 36.2491, 42.7880,

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

36.2491, 42.7880, 12.1427

Protanopia

38.9098, 42.6917, 11.8198

Deuteranopia

43.4875, 42.5186, 12.3934



Tritanopia

44.1173, 42.8297, 50.1977

Trichromacy



Original Color

36.2491, 42.7880, 12.1427

Protanomaly

38.0315, 42.8211, 11.8910

Deuteranomaly

40.6673, 42.4442, 12.3525

Tritanomaly

40.2448, 42.3750, 31.2574

Monochromacy



Original Color

36.2491, 42.7880, 12.1427

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.9306, 39.9416, 27.6456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2491, 42.7880, 12.1427 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(180, 180, 70)` looks like.

```
.text, #text, p{  
    color:rgb(180, 180, 70)  
}
```

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(180, 180, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 180, 70) }
```

Border

The CSS property to change the border of an element to XYZ 36.2491, 42.7880, 12.1427 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(180, 180, 70) }
```


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

```
.border{ border-color:rgb(180, 180, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 180, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 180, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 180, 70);  
box-shadow:4px 4px 4px 4px rgb(180, 180,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2491, 42.7880, 12.1427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 180, 70) }
```

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

```
.background{ background-color: rgb(180,  
180, 70) }
```

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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