

Converting Colors

XYZ(36.7765, 42.5768, 16.9763)

Have a look what the booklet for
XYZ(36.7765, 42.5768, 16.9763)
contains.

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Color

**XYZ(36.7309, 42.6321,
16.8826)**

Conversions

Conversions Part 1

Format	Color
Hex	B3B35E
RGB	179, 179, 94
RGB Percent	70%, 70%, 37%
CMY	0.2980, 0.2980, 0.6314
CMYK	0.00, 0.00, 0.47, 0.30
HSL	60°, 36%, 54%
HSV	60°, 47%, 70%
XYZ	36.7309, 42.6321, 16.8826
YIQ	169.3100, 27.2850, -26.4350

Conversions

Conversions Part 2

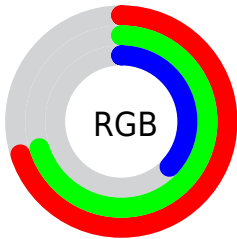
Format	Color
RYB	94, 179, 94
Decimal	11776862
CIELab	71.30, -12.12, 43.08
CIELCh	71, 44.751, 105.710
Yxy	42.6321, 0.3816, 0.4430
Android (android.graphics.Color)	4289966942 (0xFFB3B35E)
YUV	169.3100, -37.1278, 8.4981
Hunter-Lab	65.2933, -13.8476, 30.3749

Details

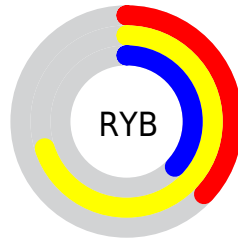
The XYZ color **36.7309, 42.6321, 16.8826** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **16.7570, 13.6408, 44.4002**, and the grayscale version is **38.0354, 40.0162, 43.5776**.

A 20% lighter version of the original color is **69.4887, 79.3249, 38.8429**, and **16.2277, 19.3886, 5.2700** is the 20% darker color. If you saturate the color by 10%, you get **36.0192, 42.3489, 13.1318**, and if you desaturate by 10%, it is **37.6309, 42.9937, 21.6162**.

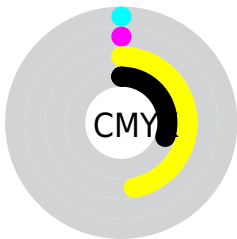
Distribution



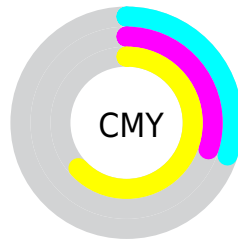
- Red (70%)
- Green (70%)
- Blue (37%)



- Red (37%)
- Yellow (70%)
- Blue (37%)



- Cyan (0%)
- Magenta (0%)
- Yellow (47%)
- Black (30%)





- Cyan (30%)
- Magenta (30%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7309, 42.6321, 16.8826 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 36.7309, 42.6321, 16.8826 by changing the saturation by 10% instead.


 36.7309, 42.6321,
16.8826


 36.7309, 42.6321,
16.8826


323.5198,
357.0966, 246.5159

 25.1719, 29.5966,
9.9898


 69.4752, 79.1554,
38.9117

 16.3346, 19.5326,
5.2866


 91.3913, 103.4119,
54.8850

 9.8536, 12.0557,
2.3547


 117.4905,
132.1776, 74.7223

 5.3635, 6.7816,
0.7616

 148.1380,
165.8368, 98.8419

 2.4990, 3.3259,
0.0000

183.6994,
204.7739, 127.6626

 0.8948, 1.3042,
0.0000

224.5399,

 0.0000, 0.1444,

249.3733, 161.6028

0.0000

271.0249,
300.0194, 201.0811

■ 0.0000, 0.0000,
0.0000

■ 36.7309, 42.6321,
16.8826

■ 36.7309, 42.6321,
16.8826

■ 36.0192, 42.3489,
13.1318

■ 37.6309, 42.9937,
21.6162

■ 35.4798, 42.1331,
10.2924

■ 38.7280, 43.4326,
27.3921

■ 35.0988, 41.9807,
8.2876


■ 40.0341, 43.9550,
34.2684


■ 34.8591, 41.8848,
7.0268

■ 41.5592, 44.5651,
42.2980


■ 34.7348, 41.8351,
6.3735

■ 43.3126, 45.2665,
51.5303

 34.7101, 41.8252,
6.2436

 45.3034, 46.0628,
62.0120

 47.5397, 46.9574,
73.7873

 50.0297, 47.9534,
86.8981

 52.7637, 49.0470,
101.2938

Harmonies

Analogous

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



44.1944, 42.6321, 16.7476



36.7309, 42.6321, 16.8826



31.0285, 42.6321, 23.0957

Triad

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



36.7309, 42.6321, 16.8826



31.2411, 42.6321, 82.8090



56.2057, 42.6321, 57.4061

Complementary

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



36.7309, 42.6321, 16.8826



16.7570, 13.6408, 44.4002

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.



51.7743, 42.6321, 81.7459



36.7309, 42.6321, 16.8826



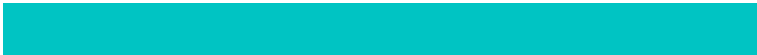
37.0561, 42.6321, 99.2079

Square

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



36.7309, 42.6321, 16.8826



28.1368, 42.6321, 58.5561



44.5622, 42.6321, 98.7678



56.0904, 42.6321, 36.0870

Rectangle

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



36.7309, 42.6321, 16.8826



28.7208, 42.6321, 31.3866



44.5622, 42.6321, 98.7678



55.1767, 42.6321, 65.6171

Sweetspot

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



36.7319, 42.6341, 16.8835



72.5393, 79.0549, 65.8121



24.6150, 18.3983, 12.8442



15.9471, 17.4650, 13.9278



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.



36.7319, 42.6341, 16.8835



64.4527, 75.8201, 23.2389



28.3769, 38.3269, 16.4925



9.1970, 9.9067, 9.0800



24.5263, 29.5539, 4.4118



0.7717, 0.9299, 0.1388

Inverse Universe

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



16.7570, 13.6408, 44.4002



24.3411, 17.5989, 78.4952



22.3755, 16.5372, 44.6631



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 36.7309, 42.6321, 16.8826 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 36.7309, 42.6321, 16.8826 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

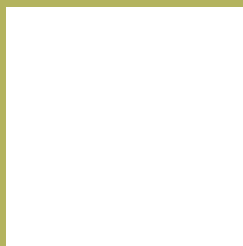
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7309, 42.6321, 16.8826

Background



This preview shows how black text looks on a background with the XYZ color 36.7309, 42.6321, 16.8826.



This preview shows how white text looks on a background with the XYZ color 36.7309, 42.6321,

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

36.7309, 42.6321, 16.8826

Protanopia

39.0440, 42.6567, 16.5317

Deuteranopia

43.2345, 42.2816, 17.1917



Tritanopia

43.3705, 42.4447, 50.1627

Trichromacy



Original Color

36.7309, 42.6321, 16.8826

Protanomaly

37.9946, 42.4058, 16.5385

Deuteranomaly

40.7616, 42.3879, 17.0996

Tritanomaly

40.4562, 42.4034, 34.9066

Monochromacy



Original Color

36.7309, 42.6321, 16.8826

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.0596, 40.7244, 31.4985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7309, 42.6321, 16.8826 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(179, 179, 94)` looks like.

```
.text, #text, p{  
    color:rgb(179, 179, 94)  
}
```

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(179, 179, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 179, 94) }
```

Border

The CSS property to change the border of an element to XYZ 36.7309, 42.6321, 16.8826 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(179, 179, 94) }
```


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

```
.border{ border-color:rgb(179, 179, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 179, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 179, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 179, 94);  
box-shadow:4px 4px 4px 4px rgb(179, 179,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7309, 42.6321, 16.8826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 179, 94) }
```

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

```
.background{ background-color: rgb(179,  
179, 94) }
```

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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