

Converting Colors

XYZ(35.8281, 41.2401, 18.6422)

Have a look what the booklet for
XYZ(35.8281, 41.2401, 18.6422)
contains.

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Color

**XYZ(35.8281, 41.2401,
18.6422)**

Conversions

Conversions Part 1

Format	Color
Hex	B0B066
RGB	176, 176, 102
RGB Percent	69%, 69%, 40%
CMY	0.3098, 0.3098, 0.6000
CMYK	0.00, 0.00, 0.42, 0.31
HSL	60°, 32%, 55%
HSV	60°, 42%, 69%
XYZ	35.8281, 41.2401, 18.6422
YIQ	167.5640, 23.7540, -23.0140

Conversions

Conversions Part 2

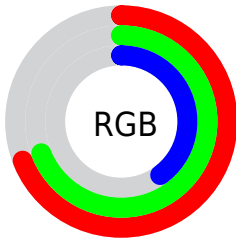
Format	Color
RYB	102, 176, 102
Decimal	11579494
CIELab	70.34, -10.98, 37.81
CIELCh	70, 39.376, 106.199
Yxy	41.2401, 0.3743, 0.4309
Android (android.graphics.Color)	4289769574 (0xFFB0B066)
YUV	167.5640, -32.3231, 7.3984
Hunter-Lab	64.2185, -12.7954, 27.7414

Details

The XYZ color **35.8281, 41.2401, 18.6422** is a light color, and the websafe version is hex **999966**. A complement of this color would be **18.0688, 15.4632, 43.1091**, and the grayscale version is **37.1518, 39.0866, 42.5653**.

A 20% lighter version of the original color is **68.0129, 76.8086, 41.8127**, and **15.8763, 18.8099, 6.1621** is the 20% darker color. If you saturate the color by 10%, you get **35.0465, 40.9289, 14.5232**, and if you desaturate by 10%, it is **36.7971, 41.6292, 23.7390**.

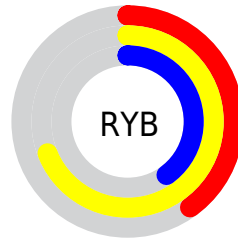
Distribution



Red (69%)

Green (69%)

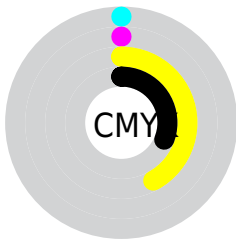
Blue (40%)



Red (40%)

Yellow (69%)

Blue (40%)

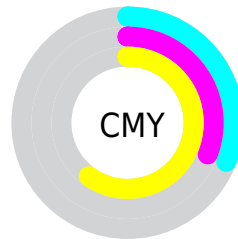


Cyan (0%)

Magenta (0%)

Yellow (42%)

Black (31%)



Cyan (31%)


Magenta (31%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8281, 41.2401, 18.6422 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 35.8281, 41.2401, 18.6422 by changing the saturation by 10% instead.


 35.8281, 41.2401,
18.6422


 35.8281, 41.2401,
18.6422


319.6529,
351.3231, 256.8229


 24.4710, 28.5067,
11.2378


 68.0923, 77.0482,
41.9572


 15.8100, 18.7080,
6.1109


 89.7300, 100.8918,
58.7050

 9.4798, 11.4595,
2.8427


 115.5253,
129.2076, 79.4043

 5.1150, 6.3768,
1.0149

 145.8436,
162.3799, 104.4737

 2.3504, 3.0755,
0.0000

181.0501,
200.7933, 134.3317

 0.8202, 1.1713,
0.0000

221.5103,

 0.0000, 0.0381,

244.8320, 169.3969

0.0000

267.5894,
294.8805, 210.0878

■ 0.0000, 0.0000,
0.0000

■ 35.8281, 41.2401,
18.6422

■ 35.8281, 41.2401,
18.6422

■ 35.0465, 40.9289,
14.5232

■ 36.7971, 41.6292,
23.7390

■ 34.4374, 40.6852,
11.3170

■ 37.9612, 42.0949,
29.8678

■ 33.9885, 40.5057,
8.9550

■ 39.3314, 42.6430,
37.0819

■ 33.6850, 40.3842,
7.3577

■ 40.9171, 43.2773,
45.4303

■ 33.5087, 40.3136,
6.4307

■ 42.7268, 44.0012,
54.9590

■ 33.4292, 40.2818,
6.0133

■ 44.7690, 44.8181,
65.7113

■ 47.0513, 45.7311,
77.7284

■ 49.5812, 46.7431,
91.0497

■ 51.4831, 47.5039,
101.0635

Harmonies

Analogous

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



42.2409, 41.2401, 18.4282



35.8281, 41.2401, 18.6422



30.8862, 41.2401, 24.4808

Triad

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



35.8281, 41.2401, 18.6422



31.2014, 41.2401, 75.8418



52.5635, 41.2401, 53.9508

Complementary

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



35.8281, 41.2401, 18.6422



18.0688, 15.4632, 43.1091

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.



48.8801, 41.2401, 74.3562



35.8281, 41.2401, 18.6422



36.3039, 41.2401, 89.1549

Square

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



35.8281, 41.2401, 18.6422



28.4229, 41.2401, 55.5951



42.7717, 41.2401, 88.5466



52.3998, 41.2401, 35.6787

Rectangle

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



35.8281, 41.2401, 18.6422



28.8806, 41.2401, 32.0045



42.7717, 41.2401, 88.5466



51.7182, 41.2401, 60.8722

Sweetspot

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



35.8291, 41.2420, 18.6431



71.0163, 77.2103, 65.5986



25.0556, 19.6932, 15.0516



15.2688, 16.6841, 13.5763



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.8291, 41.2420, 18.6431



63.7084, 74.2869, 27.1253



28.5727, 37.5012, 18.3035



9.1970, 9.9066, 9.0800



24.5262, 29.5538, 4.4118



0.7717, 0.9299, 0.1388

Inverse Universe

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



18.0688, 15.4632, 43.1091



27.3535, 21.5181, 77.2070



23.2366, 18.1272, 43.3510



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 35.8281, 41.2401, 18.6422 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 35.8281, 41.2401, 18.6422 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 35.8281, 41.2401, 18.6422

Background



This preview shows how black text looks on a background with the XYZ color 35.8281, 41.2401, 18.6422.



This preview shows how white text looks on a background with the XYZ color 35.8281, 41.2401,

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

35.8281, 41.2401, 18.6422

Protanopia

37.8405, 41.1360, 18.2576

Deuteranopia

41.8377, 40.9807, 19.0696



Tritanopia

42.0645, 41.2470, 48.9244

Trichromacy



Original Color

35.8281, 41.2401, 18.6422

Protanomaly

37.0597, 41.0171, 18.2758

Deuteranomaly

39.2663, 40.7405, 18.8909

Tritanomaly

39.3336, 40.9615, 35.5390

Monochromacy



Original Color

35.8281, 41.2401, 18.6422

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.3915, 39.7974, 32.1492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8281, 41.2401, 18.6422 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(176, 176, 102)` looks like.

```
.text, #text, p{  
    color:rgb(176, 176, 102)  
}
```

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(176, 176, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 176, 102) }
```

Border

The CSS property to change the border of an element to XYZ 35.8281, 41.2401, 18.6422 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(176, 176, 102) }
```


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

```
.border{ border-color:rgb(176, 176, 102) }
```

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

Here you see how a box with a 4 pixel rgb(176, 176, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 176, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 176, 102);  
box-shadow:4px 4px 4px 4px rgb(176, 176,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8281, 41.2401, 18.6422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 176, 102) }
```

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

```
.background{ background-color: rgb(176,  
176, 102) }
```

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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