

Converting Colors

XYZ(37.1136, 46.8022, 22.7274)

Have a look what the booklet for
XYZ(37.1136, 46.8022, 22.7274)
contains.

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Color

**XYZ(37.1401, 46.7840,
22.6955)**

Conversions

Conversions Part 1

Format	Color
Hex	A4C071
RGB	164, 192, 113
RGB Percent	64%, 75%, 44%
CMY	0.3569, 0.2470, 0.5569
CMYK	0.15, 0.00, 0.41, 0.25
HSL	81°, 39%, 60%
HSV	81°, 41%, 75%
XYZ	37.1401, 46.7840, 22.6955
YIQ	174.6220, 8.6710, -30.5050

Conversions

Conversions Part 2

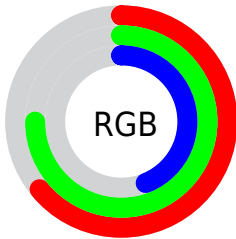
Format	Color
RYB	113, 192, 141
Decimal	10797169
CIELab	74.05, -22.61, 36.68
CIELCh	74, 43.087, 121.651
Yxy	46.7840, 0.3483, 0.4388
Android (android.graphics.Color)	4288987249 (0xFFA4C071)
YUV	174.6220, -30.3796, -9.3155
Hunter-Lab	68.3988, -22.7737, 28.2061

Details

The XYZ color **37.1401, 46.7840, 22.6955** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **26.4059, 21.2800, 52.5875**, and the grayscale version is **40.7020, 42.8217, 46.6328**.

A 20% lighter version of the original color is **69.9655, 85.1036, 48.8155**, and **16.5412, 21.9153, 8.0609** is the 20% darker color. If you saturate the color by 10%, you get **34.8046, 45.6935, 17.5284**, and if you desaturate by 10%, it is **39.7818, 48.0089, 29.0725**.

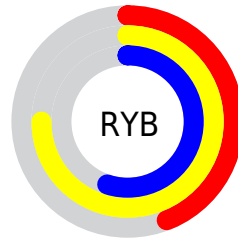
Distribution



Red (64%)

Green (75%)

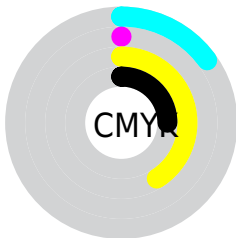
Blue (44%)



Red (44%)

Yellow (75%)

Blue (55%)

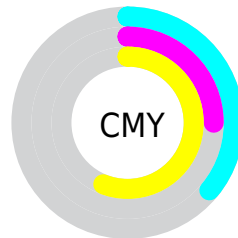


Cyan (15%)

Magenta (0%)

Yellow (41%)

Black (25%)



Cyan (36%)

Magenta (25%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1401, 46.7840, 22.6955 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 37.1401, 46.7840, 22.6955 by changing the saturation by 10% instead.

■ 37.1401, 46.7840,
22.6955

■ 37.1401, 46.7840,
22.6955

325.2617,
373.9517, 279.2282

■ 25.4902, 32.8649,
14.1656

■ 70.1006, 85.3911,
48.8097

■ 16.5733, 22.0230,
8.0959

■ 92.1419, 110.8479,
67.2311

■ 10.0241, 13.8738,
4.0677

■ 118.3777,
140.9195, 89.7868

■ 5.4774, 8.0329,
1.6626

■ 149.1734,
175.9901, 116.8953

■ 2.5676, 4.1160,
0.3349

184.8943,
216.4443, 148.9751

■ 0.9295, 1.7387,
0.0000

225.9057,

■ 0.0000, 0.4485,

262.6663, 186.4449

0.0000

272.5731,
315.0407, 229.7231

■ 0.0000, 0.0000,
0.0000

■ 37.1401, 46.7840,
22.6955

■ 37.1401, 46.7840,
22.6955

■ 34.8046, 45.6935,
17.5284

■ 39.7818, 48.0089,
29.0725

■ 32.7562, 44.7247,
13.4916

■ 42.7406, 49.3679,
36.7264

■ 30.9786, 43.8726,
10.5005


■ 46.0311, 50.8685,
45.7228


■ 29.4520, 43.1293,
8.4577


■ 49.6658, 52.5159,
56.1219

■ 28.1531, 42.4851,
7.2469


■ 53.6565, 54.3148,
67.9803

 27.1547, 41.9821,
6.6722

 58.0144, 56.2700,
81.3515

 62.7502, 58.3857,
96.2863

 65.9484, 59.8959,
102.6930

 68.0314, 60.9698,
102.7904

Harmonies

Analogous

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



44.0414, 46.7840, 19.2202



37.1401, 46.7840, 22.6955



32.6663, 46.7840, 33.3395

Triad

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



37.1401, 46.7840, 22.6955



37.7995, 46.7840, 98.1206



60.9718, 46.7840, 49.7274

Complementary

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



37.1401, 46.7840, 22.6955



26.4059, 21.2800, 52.5875

Split Complementary

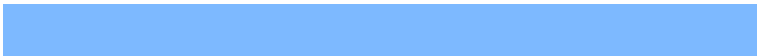
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



58.8136, 46.7840, 73.8472



37.1401, 46.7840, 22.6955



44.8949, 46.7840, 106.1779

Square

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



37.1401, 46.7840, 22.6955



33.0150, 46.7840, 76.5921



52.6987, 46.7840, 96.2407



58.3009, 46.7840, 31.7690

Rectangle

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



37.1401, 46.7840, 22.6955



31.3659, 46.7840, 45.0270



52.6987, 46.7840, 96.2407



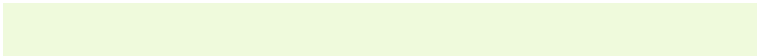
60.7859, 46.7840, 57.3488

Sweetspot

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



37.1413, 46.7861, 22.6965



82.7490, 91.8695, 81.0203



34.1939, 31.3469, 19.8718



17.5786, 19.6300, 16.8988



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



37.1413, 46.7861, 22.6965



63.6057, 83.0458, 32.9095



30.2673, 43.2424, 22.3748



10.5558, 11.5740, 10.7395



18.3584, 28.2929, 4.4935



0.8658, 1.2599, 0.1975

Inverse Universe

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



26.4059, 21.2800, 52.5875



41.6501, 30.8325, 94.1163



34.2786, 25.3385, 52.9559



9.8577, 9.9178, 12.6796



8.0865, 3.4292, 33.7923



0.4248, 0.1870, 1.4636

Previews

White Background



This preview shows how the XYZ color 37.1401, 46.7840, 22.6955 looks on a white background.

Color Contrast Check

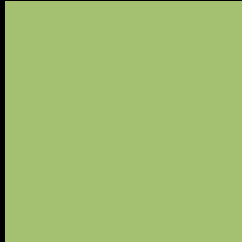
Large Text (above 18pt) WCAG AA × Fail

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 37.1401, 46.7840, 22.6955 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 37.1401, 46.7840, 22.6955

Background



This preview shows how black text looks on a background with the XYZ color 37.1401, 46.7840, 22.6955.



This preview shows how white text looks on a background with the XYZ color 37.1401, 46.7840,

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

37.1401, 46.7840, 22.6955

Protanopia

43.0415, 46.7021, 21.2139

Deuteranopia

47.5604, 46.6165, 23.3208



Tritanopia

44.4852, 46.6011, 59.4736

Trichromacy



Original Color

37.1401, 46.7840, 22.6955

Protanomaly

40.6231, 46.6827, 21.6214

Deuteranomaly

43.2294, 46.4508, 23.2105

Tritanomaly

41.2364, 46.5289, 42.8840

Monochromacy



Original Color

37.1401, 46.7840, 22.6955

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

38.9860, 43.9727, 36.1386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1401, 46.7840, 22.6955 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(164, 192, 113)` looks like.

```
.text, #text, p{  
    color:rgb(164, 192, 113)  
}
```

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(164, 192, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 192, 113) }
```

Border

The CSS property to change the border of an element to XYZ 37.1401, 46.7840, 22.6955 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(164, 192, 113) }
```


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

```
.border{ border-color:rgb(164, 192, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 192, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 192, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 192, 113);  
box-shadow:4px 4px 4px 4px rgb(164, 192,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1401, 46.7840, 22.6955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 192, 113) }
```

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

```
.background{ background-color: rgb(164,  
192, 113) }
```

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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