

Converting Colors

XYZ(38.7856, 46.6539, 22.1128)

Have a look what the booklet for
XYZ(38.7856, 46.6539, 22.1128)
contains.

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Color

**XYZ(38.7460, 46.6568,
22.0025)**

Conversions

Conversions Part 1

Format	Color
Hex	AFBD6F
RGB	175, 189, 111
RGB Percent	69%, 74%, 44%
CMY	0.3137, 0.2588, 0.5647
CMYK	0.07, 0.00, 0.41, 0.26
HSL	71°, 37%, 59%
HSV	71°, 41%, 74%
XYZ	38.7460, 46.6568, 22.0025
YIQ	175.9220, 16.6940, -27.2260

Conversions

Conversions Part 2

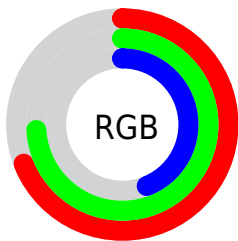
Format	Color
RYB	111, 189, 125
Decimal	11517295
CIELab	73.97, -17.06, 37.76
CIELCh	74, 41.433, 114.320
Yxy	46.6568, 0.3607, 0.4344
Android (android.graphics.Color)	4289707375 (0xFFAFBD6F)
YUV	175.9220, -32.0065, -0.8086
Hunter-Lab	68.3058, -18.2822, 28.7157

Details

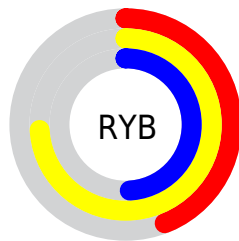
The XYZ color **38.7460, 46.6568, 22.0025** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.3290, 19.4042, 50.6626**, and the grayscale version is **41.3826, 43.5377, 47.4126**.

A 20% lighter version of the original color is **72.6320, 85.1410, 47.7277**, and **17.5316, 22.0102, 7.7393** is the 20% darker color. If you saturate the color by 10%, you get **37.0618, 45.8979, 17.0544**, and if you desaturate by 10%, it is **40.6718, 47.5179, 28.1131**.

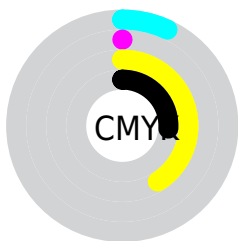
Distribution



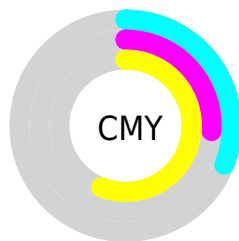
- Red (69%)
- Green (74%)
- Blue (44%)



- Red (44%)
- Yellow (74%)
- Blue (49%)



- Cyan (7%)
- Magenta (0%)
- Yellow (41%)
- Black (26%)



- Cyan (31%)
- Magenta (26%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7460, 46.6568, 22.0025 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 38.7460, 46.6568, 22.0025 by changing the saturation by 10% instead.

■ 38.7460, 46.6568,
22.0025

■ 38.7460, 46.6568,
22.0025

332.0352,
373.4429, 275.5133

■ 26.7420, 32.7644,
13.6604

■ 72.5467, 85.2011,
47.6524

■ 17.5152, 21.9460,
7.7488

■ 95.0741, 110.6218,
65.7972

■ 10.7000, 13.8173,
3.8492

■ 121.8401,
140.6541, 88.0467

■ 5.9313, 7.9937,
1.5430

■ 153.2099,
175.6824, 114.8195

■ 2.8436, 4.0909,
0.2496

189.5490,
216.0910, 146.5340

■ 1.0716, 1.7245,
0.0000

231.2226,

■ 0.0012, 0.4395,

262.2644, 183.6087

0.0000

278.5963,
314.5869, 226.4623

■ 0.0000, 0.0000,
0.0000

■ 38.7460, 46.6568,
22.0025

■ 38.7460, 46.6568,
22.0025

■ 37.0618, 45.8979,
17.0544

■ 40.6718, 47.5179,
28.1131

■ 35.6017, 45.2291,
13.1921

■ 42.8488, 48.4800,
35.4507

■ 34.3511, 44.6464,
10.3343


■ 45.2900, 49.5500,
44.0783


■ 33.2919, 44.1424,
8.3871


■ 48.0066, 50.7325,
54.0540


■ 32.4029, 43.7085,
7.2388

■ 51.0090, 52.0316,
65.4322

 31.7297, 43.3727,
6.6994

 54.3071, 53.4512,
78.2643

 57.9104, 54.9952,
92.5991

 60.6456, 56.1943,
102.2580

 61.5749, 56.6734,
102.3015

Harmonies

Analogous

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



45.7677, 46.6568, 20.1063



38.7460, 46.6568, 22.0025



33.7732, 46.6568, 30.5650

Triad

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



38.7460, 46.6568, 22.0025



36.5613, 46.6568, 91.5604



60.0471, 46.6568, 54.9380

Complementary

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



38.7460, 46.6568, 22.0025



23.3290, 19.4042, 50.6626

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.



56.9226, 46.6568, 78.4356



38.7460, 46.6568, 22.0025



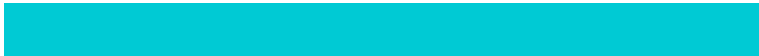
42.9538, 46.6568, 103.0296

Square

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



38.7460, 46.6568, 22.0025



32.6134, 46.6568, 69.4775



50.4609, 46.6568, 97.6582



58.6005, 46.6568, 35.8133

Rectangle

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



38.7460, 46.6568, 22.0025



32.0204, 46.6568, 40.5744



50.4609, 46.6568, 97.6582



59.4868, 46.6568, 62.6167

Sweetspot

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



38.7471, 46.6589, 22.0035



80.6866, 88.5544, 77.4161



31.0648, 26.3832, 18.4948



17.2244, 18.9877, 16.1930



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



38.7471, 46.6589, 22.0035



66.5068, 82.2590, 30.9149



31.3850, 42.8636, 21.6589



10.1497, 11.0316, 10.1710



21.4061, 29.2111, 4.5101



0.8831, 1.1672, 0.1788

Inverse Universe

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



23.3290, 19.4042, 50.6626



35.0270, 26.5611, 89.5069



29.9756, 22.8307, 50.9736



9.1720, 9.3055, 11.9849



6.6697, 2.7244, 32.5672



0.3109, 0.1323, 1.2780

Previews

White Background



This preview shows how the XYZ color 38.7460, 46.6568, 22.0025 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 38.7460, 46.6568, 22.0025 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

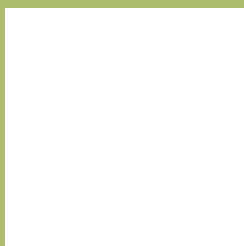
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7460, 46.6568, 22.0025

Background



This preview shows how black text looks on a background with the XYZ color 38.7460, 46.6568, 22.0025.



This preview shows how white text looks on a background with the XYZ color 38.7460, 46.6568,

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

38.7460, 46.6568, 22.0025

Protanopia

42.9879, 46.6807, 20.9319

Deuteranopia

47.2515, 46.1850, 22.6438



Tritanopia

45.7533, 46.4047, 56.9976

Trichromacy



Original Color

38.7460, 46.6568, 22.0025

Protanomaly

41.3445, 46.7492, 21.3124

Deuteranomaly

43.7860, 46.1516, 22.5200

Tritanomaly

42.6004, 46.3351, 41.3486

Monochromacy



Original Color

38.7460, 46.6568, 22.0025

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.0959, 44.5449, 36.1905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7460, 46.6568, 22.0025 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(175, 189, 111)` looks like.

```
.text, #text, p{  
    color:rgb(175, 189, 111)  
}
```

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(175, 189, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 189, 111) }
```

Border

The CSS property to change the border of an element to XYZ 38.7460, 46.6568, 22.0025 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(175, 189, 111) }
```


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

```
.border{ border-color:rgb(175, 189, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 189, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 189, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 189, 111);  
box-shadow:4px 4px 4px 4px rgb(175, 189,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7460, 46.6568, 22.0025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 189, 111) }
```

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

```
.background{ background-color: rgb(175,  
189, 111) }
```

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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