

Converting Colors

XYZ(42.5948, 46.4828, 20.7120)

Have a look what the booklet for
XYZ(42.5948, 46.4828, 20.7120)
contains.

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Color

**XYZ(42.6705, 46.5232,
20.6408)**

Conversions

Conversions Part 1

Format	Color
Hex	C6B66B
RGB	198, 182, 107
RGB Percent	78%, 71%, 42%
CMY	0.2235, 0.2863, 0.5804
CMYK	0.00, 0.08, 0.46, 0.22
HSL	49°, 44%, 60%
HSV	49°, 46%, 78%
XYZ	42.6705, 46.5232, 20.6408
YIQ	178.2340, 33.6110, -19.9330

Conversions

Conversions Part 2

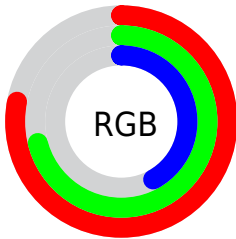
Format	Color
RYB	126, 198, 107
Decimal	13022827
CIELab	73.88, -4.58, 40.08
CIElCh	74, 40.341, 96.513
Yxy	46.5232, 0.3885, 0.4236
Android (android.graphics.Color)	4291212907 (0xFFC6B66B)
YUV	178.2340, -35.1184, 17.3348
Hunter-Lab	68.2079, -7.6952, 29.8034

Details

The XYZ color **42.6705, 46.5232, 20.6408** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.3392, 21.3683, 56.3204**, and the grayscale version is **42.6096, 44.8286, 48.8183**.

A 20% lighter version of the original color is **78.1597, 84.9471, 45.5347**, and **19.7441, 21.7467, 7.0278** is the 20% darker color. If you saturate the color by 10%, you get **41.0423, 44.7473, 15.5341**, and if you desaturate by 10%, it is **44.5572, 48.4343, 27.0114**.

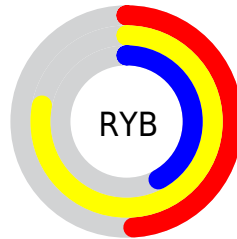
Distribution



Red (78%)

Green (71%)

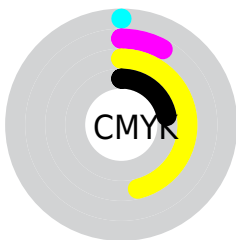
Blue (42%)



Red (49%)

Yellow (78%)

Blue (42%)

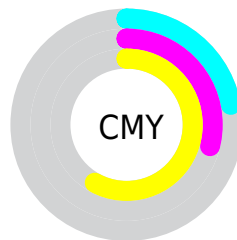


Cyan (0%)

Magenta (8%)

Yellow (46%)

Black (22%)



Cyan (22%)

Magenta (29%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6705, 46.5232, 20.6408 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 42.6705, 46.5232, 20.6408 by changing the saturation by 10% instead.

■ 42.6705, 46.5232,
20.6408

■ 42.6705, 46.5232,
20.6408

348.1995,
372.9081, 268.0814

■ 29.8201, 32.6589,
12.6730

■ 78.4722, 85.0015,
45.3620

■ 19.8494, 21.8653,
7.0757

■ 102.1542,
110.3842, 62.9524

■ 12.3933, 13.7579,
3.4303

■ 130.1774,
140.3752, 84.5875

■ 7.0862, 7.9525,
1.3183

■ 162.9072,
175.3589, 110.6858

■ 3.5629, 4.0646,
0.0767

200.7090,
215.7196, 141.6657

■ 1.4579, 1.7097,
0.0000

243.9480,

■ 0.2970, 0.4300,

261.8418, 177.9460

0.0000

292.9898,
314.1098, 219.9450

■ 0.0000, 0.0000,
0.0000

■ 42.6705, 46.5232,
20.6408

■ 42.6705, 46.5232,
20.6408

■ 41.0423, 44.7473,
15.5341

■ 44.5572, 48.4343,
27.0114

■ 39.6526, 43.0932,
11.6016

■ 46.7142, 50.4803,
34.7219

■ 38.4838, 41.5554,
8.7461


■ 49.1562, 52.6691,
43.8454


■ 37.5141, 40.1250,
6.8539


■ 51.8964, 55.0061,
54.4491


■ 36.7163, 38.7909,
5.7820


■ 54.9465, 57.4962,
66.5957

 36.4210, 38.2703,
5.4673

 58.3181, 60.1442,
80.3444

 62.0219, 62.9546,
95.7514

 64.3475, 65.2435,
103.8095

 65.2153, 66.9791,
104.0988

Harmonies

Analogous

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



49.9555, 46.5232, 22.3468



42.6705, 46.5232, 20.6408



36.4987, 46.5232, 25.0494

Triad

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



42.6705, 46.5232, 20.6408



34.0203, 46.5232, 78.0281



58.1359, 46.5232, 68.1140

Complementary

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



42.6705, 46.5232, 20.6408



23.3392, 21.3683, 56.3204

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.



52.9575, 46.5232, 89.5665



42.6705, 46.5232, 20.6408



38.9392, 46.5232, 96.2895

Square

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



42.6705, 46.5232, 20.6408



31.8659, 46.5232, 55.2770



45.8043, 46.5232, 101.0017



59.4115, 46.5232, 46.2997

Rectangle

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



42.6705, 46.5232, 20.6408



33.6702, 46.5232, 31.8140



45.8043, 46.5232, 101.0017



56.7685, 46.5232, 75.7675

Sweetspot

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



42.6716, 46.5254, 20.6418



87.8565, 93.9718, 80.7329



32.1648, 23.9689, 21.8957



18.5884, 19.9253, 16.4542



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



42.6716, 46.5254, 20.6418



72.7140, 79.2797, 27.6144



39.2497, 49.9051, 21.4745



11.3592, 12.0875, 11.2972



23.7416, 25.0004, 3.5742



1.1670, 1.2694, 0.1835

Inverse Universe

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



23.3392, 21.3683, 56.3204



34.3783, 29.4297, 98.4763



25.5748, 19.8121, 55.9022



10.2049, 10.5839, 13.4225



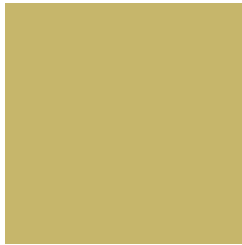
7.0605, 3.5149, 35.0507



0.3820, 0.2618, 1.6755

Previews

White Background



This preview shows how the XYZ color 42.6705, 46.5232, 20.6408 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 42.6705, 46.5232, 20.6408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

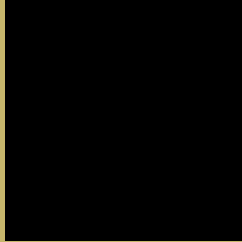
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.6705, 46.5232, 20.6408

Background



This preview shows how black text looks on a background with the XYZ color 42.6705, 46.5232, 20.6408.



This preview shows how white text looks on a background with the XYZ color 42.6705, 46.5232,

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

42.6705, 46.5232, 20.6408

Protanopia

42.9350, 46.6595, 20.6532

Deuteranopia

47.2191, 46.2069, 20.8981



Tritanopia

49.2601, 46.5541, 52.8439

Trichromacy



Original Color

42.6705, 46.5232, 20.6408

Protanomaly

42.9350, 46.6595, 20.6532

Deuteranomaly

45.3835, 46.1304, 20.6995

Tritanomaly

46.2397, 46.1815, 38.3751

Monochromacy



Original Color

42.6705, 46.5232, 20.6408

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.7952, 44.8215, 36.1543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6705, 46.5232, 20.6408 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(198, 182, 107)` looks like.

```
.text, #text, p{  
    color:rgb(198, 182, 107)  
}
```

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(198, 182, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 182, 107) }
```

Border

The CSS property to change the border of an element to XYZ 42.6705, 46.5232, 20.6408 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(198, 182, 107) }
```


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

```
.border{ border-color:rgb(198, 182, 107) }
```

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

Here you see how a box with a 4 pixel rgb(198, 182, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 182, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 182, 107);  
box-shadow:4px 4px 4px 4px rgb(198, 182,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6705, 46.5232, 20.6408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 182, 107) }
```

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

```
.background{ background-color: rgb(198,  
182, 107) }
```

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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