

Converting Colors

XYZ(42.1745, 47.6528, 45.5072)

Have a look what the booklet for
XYZ(42.1745, 47.6528, 45.5072)
contains.

XYZ(42.1285, 47.5646, 45.4886)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.1285, 47.5646,
45.4886)**

Conversions

Conversions Part 1

Format	Color
Hex	ABBCAB
RGB	171, 188, 171
RGB Percent	67%, 74%, 67%
CMY	0.3294, 0.2627, 0.3294
CMYK	0.09, 0.00, 0.09, 0.26
HSL	120°, 11%, 70%
HSV	120°, 9%, 74%
XYZ	42.1285, 47.5646, 45.4886
YIQ	180.9790, -4.6750, -8.8910

Conversions

Conversions Part 2

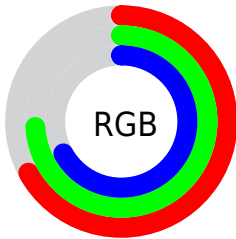
Format	Color
RYB	171, 188, 188
Decimal	11254955
CIELab	74.55, -9.07, 6.61
CIElCh	75, 11.224, 143.938
Yxy	47.5646, 0.3116, 0.3519
Android (android.graphics.Color)	4289445035 (0xFFABBCAB)
YUV	180.9790, -4.9196, -8.7516
Hunter-Lab	68.9671, -11.6558, 9.1711

Details

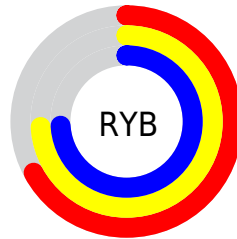
The XYZ color **42.1285, 47.5646, 45.4886** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.3807, 43.4492, 53.6266**, and the grayscale version is **43.9383, 46.2265, 50.3406**.

A 20% lighter version of the original color is **77.4422, 86.3611, 84.5392**, and **19.6015, 22.5818, 20.7784** is the 20% darker color. If you saturate the color by 10%, you get **36.6546, 44.9366, 36.5340**, and if you desaturate by 10%, it is **48.4424, 50.5989, 55.8150**.

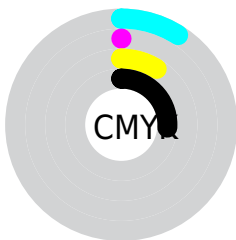
Distribution



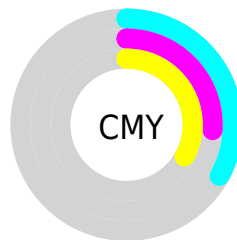
- Red (67%)
- Green (74%)
- Blue (67%)



- Red (67%)
- Yellow (74%)
- Blue (74%)



- Cyan (9%)
- Magenta (0%)
- Yellow (9%)
- Black (26%)



- Cyan (33%)
- Magenta (26%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1285, 47.5646, 45.4886 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 42.1285, 47.5646, 45.4886 by changing the saturation by 10% instead.


 42.1285, 47.5646,
45.4886

 42.1285, 47.5646,
45.4886


345.9979,
377.0637, 384.9665

 29.3935, 33.4822,
31.4967


 77.6580, 86.5558,
84.7793

 19.5245, 22.4961,
20.7157


101.1832,
112.2334, 110.9152

 12.1561, 14.2219,
12.7272


129.0358,
142.5448, 141.9362

 6.9230, 8.2752,
7.1124

161.5813,
177.8745, 178.2609

 3.4599, 4.2715,
3.4530

199.1848,
218.6069, 220.3077

 1.4014, 1.8266,
1.3303

242.2119,

 0.2572, 0.5037,

265.1262, 268.4952

0.0865

291.0278,
317.8171, 323.2419

■ 0.0000, 0.0000,
0.0000

■ 42.1285, 47.5646,
45.4886

■ 42.1285, 47.5646,
45.4886

■ 36.6546, 44.9366,
36.5340

■ 48.4424, 50.5989,
55.8150

■ 31.9818, 42.6920,
28.8907

■ 55.6255, 54.0493,
67.5642

■ 28.0735, 40.8146,
22.4980

■ 63.7105, 57.9329,
80.7885

■ 24.8891, 39.2850,
17.2893

■ 72.7270, 62.2640,
95.5365

■ 22.3842, 38.0818,
13.1921

■ 77.2741, 64.4482,
102.9747

■ 20.5095, 37.1813,
10.1256

■ 19.2089, 36.5565,
7.9981

■ 18.4166, 36.1760,
6.7022

■ 18.0165, 35.9838,
6.0477

Harmonies

Analogous

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



43.6446, 47.5646, 42.2365



42.1285, 47.5646, 45.4886



41.4401, 47.5646, 50.6190

Triad

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



42.1285, 47.5646, 45.4886



44.7981, 47.5646, 63.7106



48.8681, 47.5646, 47.3884

Complementary

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



42.1285, 47.5646, 45.4886



44.3807, 43.4492, 53.6266

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.



49.1992, 47.5646, 52.9784



42.1285, 47.5646, 45.4886



46.8098, 47.5646, 62.6848

Square

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



42.1285, 47.5646, 45.4886



42.9514, 47.5646, 61.3546



48.4355, 47.5646, 58.6475



47.5438, 47.5646, 43.2746

Rectangle

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



42.1285, 47.5646, 45.4886



41.5279, 47.5646, 54.5272



48.4355, 47.5646, 58.6475



49.1009, 47.5646, 49.1455

Sweetspot

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



42.1298, 47.5666, 45.4896



83.0222, 89.4081, 93.3523



46.0750, 49.6005, 45.6741



17.6534, 19.1307, 19.7476



90.7827, 95.5105, 104.0109



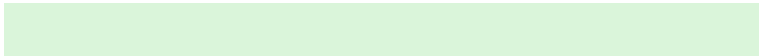
18.6292, 19.5994, 21.3438

Same Dimension

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



42.1298, 47.5666, 45.4896



74.1053, 85.1248, 78.7671



42.9666, 47.9014, 49.8962



9.4088, 10.6496, 10.1364



12.2439, 24.4879, 4.0814



0.4796, 0.9592, 0.1599

Inverse Universe

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



44.3807, 43.4492, 53.6266



79.0755, 76.0333, 96.7341



43.4909, 43.0933, 48.9405



9.9300, 9.6963, 12.0204



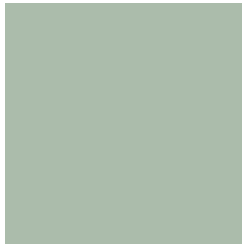
20.3002, 9.7512, 33.2041



0.7952, 0.3820, 1.3006

Previews

White Background



This preview shows how the XYZ color 42.1285, 47.5646, 45.4886 looks on a white background.

Color Contrast Check

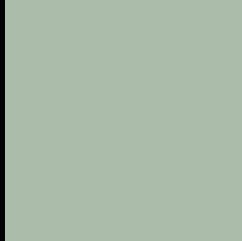
Large Text (above 18pt) WCAG AA × Fail

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 42.1285, 47.5646, 45.4886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

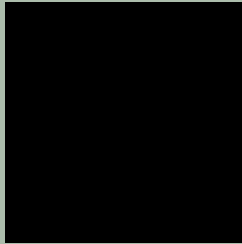
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

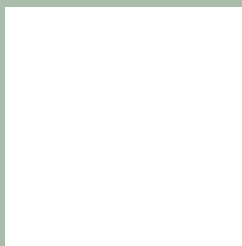
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1285, 47.5646, 45.4886

Background



This preview shows how black text looks on a background with the XYZ color 42.1285, 47.5646, 45.4886.



This preview shows how white text looks on a background with the XYZ color 42.1285, 47.5646,

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

42.1285, 47.5646, 45.4886

Protanopia

45.0310, 47.2302, 43.7887

Deuteranopia

48.4418, 47.4405, 46.1389



Tritanopia

45.1285, 47.5185, 60.8263

Trichromacy



Original Color

42.1285, 47.5646, 45.4886

Protanomaly

43.8304, 47.2128, 44.3390

Deuteranomaly

45.9626, 47.3638, 45.7494

Tritanomaly

43.9898, 47.3707, 54.9691

Monochromacy



Original Color

42.1285, 47.5646, 45.4886

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.2078, 46.8024, 48.3514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1285, 47.5646, 45.4886 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(171, 188, 171)` looks like.

```
.text, #text, p{  
    color:rgb(171, 188, 171)  
}
```

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(171, 188, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 188, 171) }
```

Border

The CSS property to change the border of an element to XYZ 42.1285, 47.5646, 45.4886 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(171, 188, 171) }
```


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

```
.border{ border-color:rgb(171, 188, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 188, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 188, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 188, 171);  
box-shadow:4px 4px 4px 4px rgb(171, 188,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1285, 47.5646, 45.4886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 188, 171) }
```

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

```
.background{ background-color: rgb(171,  
188, 171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor