

Converting Colors

XYZ(48.2172, 54.8562, 41.8314)

Have a look what the booklet for
XYZ(48.2172, 54.8562, 41.8314)
contains.

XYZ(48.0736, 54.7006, 41.7427)	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(48.0736, 54.7006,
41.7427)**

Conversions

Conversions Part 1

Format	Color
Hex	BDC8A1
RGB	189, 200, 161
RGB Percent	74%, 78%, 63%
CMY	0.2588, 0.2157, 0.3686
CMYK	0.06, 0.00, 0.20, 0.22
HSL	77°, 26%, 71%
HSV	77°, 20%, 78%
XYZ	48.0736, 54.7006, 41.7427
YIQ	192.2650, 5.9630, -14.4610

Conversions

Conversions Part 2

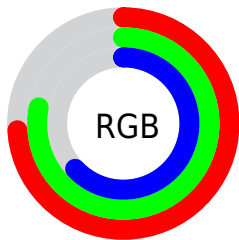
Format	Color
RYB	161, 200, 172
Decimal	12437665
CIELab	78.87, -10.54, 18.28
CIELCh	79, 21.098, 119.973
Yxy	54.7006, 0.3327, 0.3785
Android (android.graphics.Color)	4290627745 (0xFFBDC8A1)
YUV	192.2650, -15.4136, -2.8634
Hunter-Lab	73.9599, -13.4055, 18.3088

Details

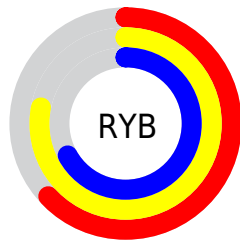
The XYZ color **48.0736, 54.7006, 41.7427** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.1855, 38.4320, 59.9467**, and the grayscale version is **50.3439, 52.9657, 57.6796**.

A 20% lighter version of the original color is **85.8109, 95.8903, 78.9517**, and **23.0309, 26.8128, 18.4295** is the 20% darker color. If you saturate the color by 10%, you get **45.0769, 53.3452, 33.1206**, and if you desaturate by 10%, it is **51.4098, 56.2018, 51.8556**.

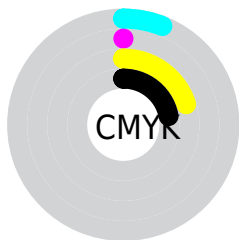
Distribution



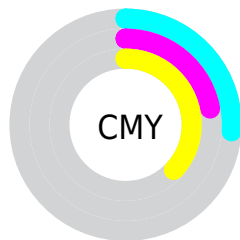
- Red (74%)
- Green (78%)
- Blue (63%)



- Red (63%)
- Yellow (78%)
- Blue (67%)



- Cyan (6%)
- Magenta (0%)
- Yellow (20%)
- Black (22%)





- Cyan (26%)
- Magenta (22%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0736, 54.7006, 41.7427 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 48.0736, 54.7006, 41.7427 by changing the saturation by 10% instead.


 48.0736, 54.7006,
41.7427


 48.0736, 54.7006,
41.7427


369.6615,
404.7760, 369.1834

 34.0967, 39.1621,
28.5758


 86.5230, 97.1021,
79.0759

 23.1311, 26.8858,
18.5173


 111.7262,
124.7340, 104.0794

 14.8116, 17.4875,
11.1488

141.4022,
157.1656, 133.8654

 8.7727, 10.5827,
6.0516

175.9163,
194.7816, 168.8526

 4.6491, 5.7870,
2.8072

215.6340,
237.9662, 209.4594

 2.0755, 2.7160,
0.9970

260.9205,

 0.6759, 0.9853,

287.1039, 256.1045

0.0000

312.1412,
342.5790, 309.2063

■ 0.0000, 0.0000,
0.0000

■ 48.0736, 54.7006,
41.7427

■ 48.0736, 54.7006,
41.7427

■ 45.0769, 53.3452,
33.1206

■ 51.4098, 56.2018,
51.8556

■ 42.4015, 52.1226,
25.9153

■ 55.0943, 57.8468,
63.5217

■ 40.0336, 51.0293,
20.0516

■ 59.1409, 59.6431,
76.8040

■ 37.9567, 50.0584,
15.4462

■ 63.5612, 61.5954,
91.7610

■ 36.1527, 49.2027,
12.0064

■ 67.3845, 63.3154,
103.2773

■ 34.6009, 48.4537,
9.6266

■ 69.0929, 64.1961,
103.3572

■ 33.2769, 47.8018,
8.1822

■ 70.8592, 65.1067,
103.4399

■ 32.1378, 47.2296,
7.4510

■ 72.6840, 66.0474,
103.5253

■ 32.0833, 47.2021,
7.4200

■ 74.5679, 67.0186,
103.6135

Harmonies

Analogous

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



51.9950, 54.7006, 39.3576



48.0736, 54.7006, 41.7427



45.3306, 54.7006, 48.7553

Triad

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



48.0736, 54.7006, 41.7427



48.0674, 54.7006, 81.8248



60.4609, 54.7006, 59.5704

Complementary

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



48.0736, 54.7006, 41.7427



40.1855, 38.4320, 59.9467

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.



59.2745, 54.7006, 71.8528



48.0736, 54.7006, 41.7427



51.9875, 54.7006, 85.7071

Square

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



48.0736, 54.7006, 41.7427



45.3271, 54.7006, 71.8318



56.1162, 54.7006, 81.8381



59.2785, 54.7006, 48.7715

Rectangle

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



48.0736, 54.7006, 41.7427



44.4626, 54.7006, 55.6365



56.1162, 54.7006, 81.8381



60.3251, 54.7006, 63.6631

Sweetspot

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



48.0750, 54.7030, 41.7439



91.1133, 98.2439, 96.3654



44.8929, 44.1314, 39.8711



19.4132, 20.9886, 20.3472



0.0000, 0.0000, 0.0000



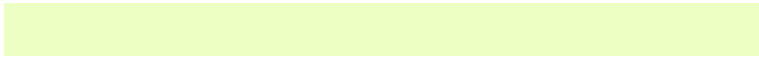
20.3446, 21.4041, 23.3091

Same Dimension

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



48.0750, 54.7030, 41.7439



81.1759, 93.7771, 66.2560



43.6883, 52.4415, 41.5386



11.2210, 12.2609, 11.3379



20.4899, 30.0582, 4.7219



1.0384, 1.4584, 0.2268

Inverse Universe

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



40.1855, 38.4320, 59.9467



65.2797, 60.9887, 102.9391



44.6328, 40.7246, 60.1548



10.3330, 10.4299, 13.3861



7.7575, 3.2334, 34.9596



0.4400, 0.1905, 1.6587

Previews

White Background



This preview shows how the XYZ color 48.0736, 54.7006, 41.7427 looks on a white background.

Color Contrast Check

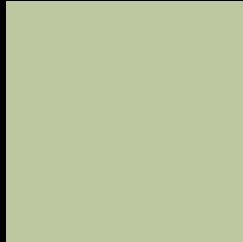
Large Text (above 18pt) WCAG AA × Fail

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 48.0736, 54.7006, 41.7427 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

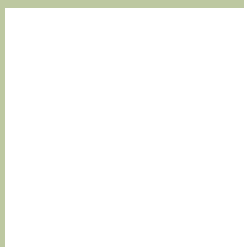
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.0736, 54.7006, 41.7427

Background



This preview shows how black text looks on a background with the XYZ color 48.0736, 54.7006, 41.7427.



This preview shows how white text looks on a background with the XYZ color 48.0736, 54.7006,

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

48.0736, 54.7006, 41.7427

Protanopia

51.4188, 54.7642, 40.2082

Deuteranopia

55.7354, 54.6543, 42.7337



Tritanopia

53.3435, 54.4791, 68.0256

Trichromacy



Original Color

48.0736, 54.7006, 41.7427

Protanomaly

50.0437, 54.7151, 40.7244

Deuteranomaly

52.6119, 54.3407, 42.3662

Tritanomaly

51.2467, 54.6231, 57.7115

Monochromacy



Original Color

48.0736, 54.7006, 41.7427

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.3415, 53.4428, 51.4310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0736, 54.7006, 41.7427 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(189, 200, 161)` looks like.

```
.text, #text, p{  
    color:rgb(189, 200, 161)  
}
```

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(189, 200, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 200, 161) }
```

Border

The CSS property to change the border of an element to XYZ 48.0736, 54.7006, 41.7427 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(189, 200, 161) }
```


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

```
.border{ border-color:rgb(189, 200, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 200, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 200, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 200, 161);  
box-shadow:4px 4px 4px 4px rgb(189, 200,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0736, 54.7006, 41.7427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 200, 161) }
```

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

```
.background{ background-color: rgb(189,  
200, 161) }
```

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