

Converting Colors

XYZ(46.9773, 51.7578, 42.6290)

Have a look what the booklet for
XYZ(46.9773, 51.7578, 42.6290)
contains.

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Color

**XYZ(47.0060, 51.7674,
42.6366)**

Conversions

Conversions Part 1

Format	Color
Hex	BEC1A4
RGB	190, 193, 164
RGB Percent	75%, 76%, 64%
CMY	0.2549, 0.2431, 0.3569
CMYK	0.02, 0.00, 0.15, 0.24
HSL	66°, 19%, 70%
HSV	66°, 15%, 76%
XYZ	47.0060, 51.7674, 42.6366
YIQ	188.7970, 7.5210, -9.6550

Conversions

Conversions Part 2

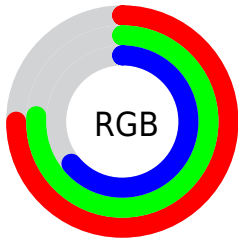
Format	Color
RYB	164, 193, 167
Decimal	12501412
CIELab	77.14, -6.07, 14.27
CIELCh	77, 15.505, 113.037
Yxy	51.7674, 0.3324, 0.3661
Android (android.graphics.Color)	4290691492 (0xFFBEC1A4)
YUV	188.7970, -12.2249, 1.0550
Hunter-Lab	71.9496, -9.2943, 15.2300

Details

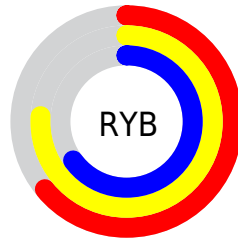
The XYZ color **47.0060, 51.7674, 42.6366** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.8395, 38.6181, 55.8618**, and the grayscale version is **48.3196, 50.8359, 55.3603**.

A 20% lighter version of the original color is **84.6679, 92.4587, 80.4017**, and **22.4561, 25.1603, 19.0021** is the 20% darker color. If you saturate the color by 10%, you get **44.8983, 50.8687, 34.1196**, and if you desaturate by 10%, it is **49.3879, 52.7800, 52.5493**.

Distribution



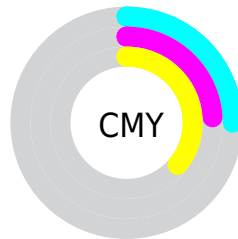
- Red (75%)
- Green (76%)
- Blue (64%)



- Red (64%)
- Yellow (76%)
- Blue (65%)



- Cyan (2%)
- Magenta (0%)
- Yellow (15%)
- Black (24%)




- Cyan (25%)
- Magenta (24%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0060, 51.7674, 42.6366 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 47.0060, 51.7674, 42.6366 by changing the saturation by 10% instead.


 47.0060, 51.7674,
42.6366

 47.0060, 51.7674,
42.6366


365.4870,
393.5380, 372.9924

 33.2484, 36.8197,
29.2708


 84.9413, 92.7881,
80.4427

 22.4769, 25.0679,
19.0384


 109.8496,
119.6299, 105.7200

 14.3263, 16.1277,
11.5210


139.2056,
151.2052, 135.8049

 8.4312, 9.6145,
6.2998

173.3745,
187.8984, 171.1160

 4.4262, 5.1441,
2.9565

212.7217,
230.0939, 212.0717

 1.9460, 2.3321,
1.0725

257.6127,

 0.6033, 0.7906,

278.1761, 259.0907

0.0000

308.4126,
332.5293, 312.5914

■ 0.0000, 0.0000,
0.0000

■ 47.0060, 51.7674,
42.6366

■ 47.0060, 51.7674,
42.6366

■ 44.8983, 50.8687,
34.1196

■ 49.3879, 52.7800,
52.5493

■ 43.0487, 50.0724,
26.9325

■ 52.0510, 53.9041,
63.9131

■ 41.4457, 49.3755,
21.0090

■ 55.0073, 55.1463,
76.7842

■ 40.0756, 48.7725,
16.2758

■ 58.2666, 56.5105,
91.2152

■ 38.9228, 48.2572,
12.6522

■ 60.9394, 57.6409,
102.5217

■ 37.9701, 47.8228,
10.0473

■ 61.4769, 57.9179,
102.5468

■ 37.1976, 47.4612,
8.3562

■ 62.0213, 58.1986,
102.5723

■ 36.5809, 47.1627,
7.4509

■ 62.5728, 58.4829,
102.5981

■ 36.3076, 47.0278,
7.1637

■ 63.1314, 58.7709,
102.6243

Harmonies

Analogous

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



49.8977, 51.7674, 41.6631



47.0060, 51.7674, 42.6366



44.7874, 51.7674, 47.1076

Triad

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



47.0060, 51.7674, 42.6366



45.8545, 51.7674, 70.4438



55.0819, 51.7674, 58.3684

Complementary

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



47.0060, 51.7674, 42.6366



38.8395, 38.6181, 55.8618

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.



53.9005, 51.7674, 66.7641



47.0060, 51.7674, 42.6366



48.5155, 51.7674, 74.1751

Square

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



47.0060, 51.7674, 42.6366



44.1414, 51.7674, 62.9995



51.4682, 51.7674, 72.7652



54.6382, 51.7674, 50.2151

Rectangle

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



47.0060, 51.7674, 42.6366



43.9495, 51.7674, 51.7355



51.4682, 51.7674, 72.7652



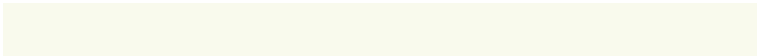
54.8601, 51.7674, 61.2647

Sweetspot

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



47.0074, 51.7697, 42.6377



88.4264, 94.5146, 94.0139



42.4953, 41.6200, 40.9164



18.9022, 20.2476, 19.8815



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.



47.0074, 51.7697, 42.6377



82.9044, 92.1687, 71.1265



43.5868, 50.0063, 42.4776



10.8073, 11.7037, 10.7513



24.1872, 31.2978, 4.7663



1.0752, 1.3678, 0.2073

Inverse Universe

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



38.8395, 38.6181, 55.8618



65.5094, 64.1589, 99.2915



42.0527, 40.2746, 56.0122



9.6230, 9.7968, 12.6686



6.6270, 2.6768, 33.7240



0.3196, 0.1328, 1.4587

Previews

White Background



This preview shows how the XYZ color 47.0060, 51.7674, 42.6366 looks on a white background.

Color Contrast Check

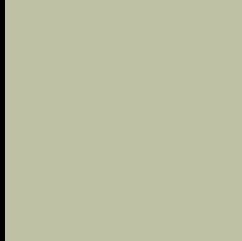
Large Text (above 18pt) WCAG AA × Fail

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 47.0060, 51.7674, 42.6366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

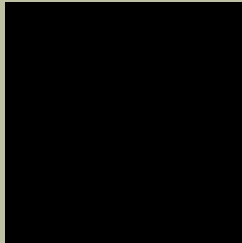
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

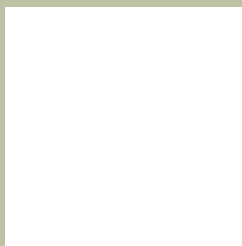
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.0060, 51.7674, 42.6366

Background



This preview shows how black text looks on a background with the XYZ color 47.0060, 51.7674, 42.6366.



This preview shows how white text looks on a background with the XYZ color 47.0060, 51.7674,

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

47.0060, 51.7674, 42.6366

Protanopia

48.7545, 51.7149, 41.5948

Deuteranopia

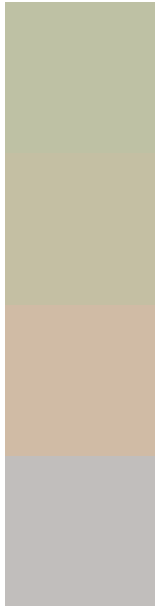
52.7299, 51.5256, 43.2427



Tritanopia

51.1496, 51.8328, 63.1860

Trichromacy



Original Color

47.0060, 51.7674, 42.6366

Protanomaly

48.0066, 51.6417, 42.0880

Deuteranomaly

50.5743, 51.6672, 42.9045

Tritanomaly

49.4829, 51.7952, 54.9664

Monochromacy



Original Color

47.0060, 51.7674, 42.6366

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.6379, 50.9410, 50.5018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0060, 51.7674, 42.6366 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(190, 193, 164)` looks like.

```
.text, #text, p{  
    color:rgb(190, 193, 164)  
}
```

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(190, 193, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 193, 164) }
```

Border

The CSS property to change the border of an element to XYZ 47.0060, 51.7674, 42.6366 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(190, 193, 164) }
```


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

```
.border{ border-color:rgb(190, 193, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 193, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 193, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 193, 164);  
box-shadow:4px 4px 4px 4px rgb(190, 193,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0060, 51.7674, 42.6366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 193, 164) }
```

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

```
.background{ background-color: rgb(190,  
193, 164) }
```

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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