

Converting Colors

XYZ(39.8248, 46.3076, 19.9360)

Have a look what the booklet for
XYZ(39.8248, 46.3076, 19.9360)
contains.

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Color

**XYZ(39.8248, 46.3076,
19.9360)**

Conversions

Conversions Part 1

Format	Color
Hex	B8BA68
RGB	184, 186, 104
RGB Percent	72%, 73%, 41%
CMY	0.2784, 0.2706, 0.5921
CMYK	0.01, 0.00, 0.44, 0.27
HSL	61°, 37%, 57%
HSV	61°, 44%, 73%
XYZ	39.8248, 46.3076, 19.9360
YIQ	176.0540, 25.1300, -25.9260

Conversions

Conversions Part 2

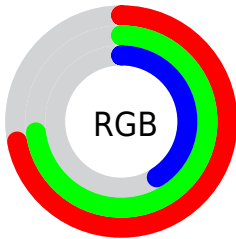
Format	Color
RYB	104, 186, 106
Decimal	12106344
CIELab	73.74, -12.68, 41.16
CIELCh	74, 43.074, 107.126
Yxy	46.3076, 0.3755, 0.4366
Android (android.graphics.Color)	4290296424 (0xFFB8BA68)
YUV	176.0540, -35.5226, 6.9686
Hunter-Lab	68.0497, -14.6232, 30.2650

Details

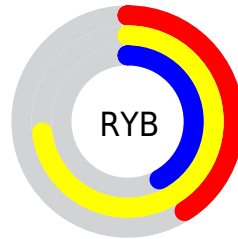
The XYZ color **39.8248, 46.3076, 19.9360** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.7587, 16.5111, 48.6026**, and the grayscale version is **41.4663, 43.6257, 47.5084**.

A 20% lighter version of the original color is **74.1136, 84.6394, 44.3291**, and **18.1066, 21.7085, 6.7259** is the 20% darker color. If you saturate the color by 10%, you get **38.8741, 45.9164, 15.4922**, and if you desaturate by 10%, it is **40.9866, 46.7866, 25.4793**.

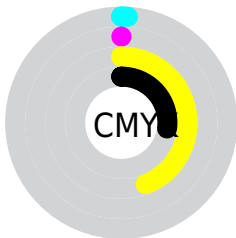
Distribution



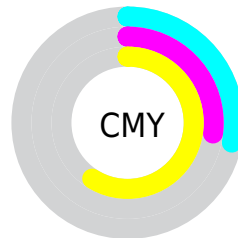
- Red (72%)
- Green (73%)
- Blue (41%)



- Red (41%)
- Yellow (73%)
- Blue (42%)



- Cyan (1%)
- Magenta (0%)
- Yellow (44%)
- Black (27%)



- Cyan (28%)
- Magenta (27%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8248, 46.3076, 19.9360 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 39.8248, 46.3076, 19.9360 by changing the saturation by 10% instead.

■ 39.8248, 46.3076,
19.9360

■ 39.8248, 46.3076,
19.9360

336.5317,
372.0439, 264.1612

■ 27.5856, 32.4886,
12.1649

■ 74.1827, 84.6792,
44.1674

■ 18.1523, 21.7350,
6.7322

■ 97.0321, 110.0005,
61.4648

■ 11.1598, 13.6623,
3.2193

■ 124.1489,
139.9248, 82.7748

■ 6.2425, 7.8862,
1.2077

■ 155.8984,
174.8364, 108.5158

■ 3.0351, 4.0222,
0.0000

192.6462,
215.1198, 139.1064

■ 1.1724, 1.6860,
0.0000

234.7574,

■ 0.0844, 0.4146,

261.1592, 174.9651

0.0000

282.5974,
313.3391, 216.5105

■ 0.0000, 0.0000,
0.0000

■ 39.8248, 46.3076,
19.9360

■ 39.8248, 46.3076,
19.9360

■ 38.8741, 45.9164,
15.4922

■ 40.9866, 46.7866,
25.4793

■ 38.1171, 45.6011,
12.0719

■ 42.3686, 47.3520,
32.1855

■ 37.5395, 45.3576,
9.5944


■ 43.9835, 48.0107,
40.1166


■ 37.1235, 45.1787,
7.9655


■ 45.8422, 48.7669,
49.3294


■ 36.8472, 45.0558,
7.0712


■ 47.9548, 49.6247,
59.8772

 36.7235, 44.9990,
6.7501

 50.3307, 50.5879,
71.8102

 52.9791, 51.6601,
85.1761

 55.9086, 52.8447,
100.0201

 56.3717, 53.0429,
101.8749

Harmonies

Analogous

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



47.3720, 46.3076, 19.5036



39.8248, 46.3076, 19.9360



34.0943, 46.3076, 26.8548

Triad

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



39.8248, 46.3076, 19.9360



34.7489, 46.3076, 88.0038



59.9596, 46.3076, 60.3974

Complementary

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



39.8248, 46.3076, 19.9360



19.7587, 16.5111, 48.6026

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.



55.6923, 46.3076, 84.8405



39.8248, 46.3076, 19.9360



40.8186, 46.3076, 103.6188

Square

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



39.8248, 46.3076, 19.9360



31.4051, 46.3076, 63.8650



48.4871, 46.3076, 102.3174



59.6134, 46.3076, 39.0101

Rectangle

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



39.8248, 46.3076, 19.9360



31.8095, 46.3076, 35.7604



48.4871, 46.3076, 102.3174



58.9981, 46.3076, 68.6241

Sweetspot

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



39.8259, 46.3097, 19.9370



79.9938, 87.1296, 74.0703



27.8389, 21.6177, 15.8027



17.4626, 19.1249, 15.5547



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.



39.8259, 46.3097, 19.9370



70.4900, 83.2350, 28.2278



31.4970, 42.0160, 19.5472



9.7279, 10.4919, 9.6193



24.7148, 30.2772, 4.5415



0.8781, 1.0709, 0.1604

Inverse Universe

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



19.7587, 16.5111, 48.6026



29.4014, 22.2100, 86.9387



25.7340, 19.5915, 48.8822



8.5409, 8.7297, 11.3143



6.0103, 2.4096, 31.4014



0.2188, 0.0885, 1.1073

Previews

White Background



This preview shows how the XYZ color 39.8248, 46.3076, 19.9360 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 39.8248, 46.3076, 19.9360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

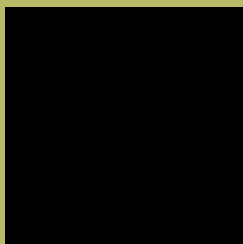
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.8248, 46.3076, 19.9360

Background



This preview shows how black text looks on a background with the XYZ color 39.8248, 46.3076, 19.9360.



This preview shows how white text looks on a background with the XYZ color 39.8248, 46.3076,

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

39.8248, 46.3076, 19.9360

Protanopia

42.4753, 46.1492, 19.2394

Deuteranopia

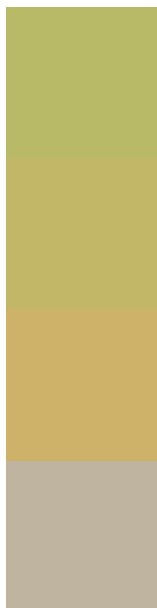
47.1126, 46.1643, 20.3374



Tritanopia

47.0677, 46.2377, 55.1592

Trichromacy



Original Color

39.8248, 46.3076, 19.9360

Protanomaly

41.6298, 46.3156, 19.5776

Deuteranomaly

44.2540, 46.1468, 20.2105

Tritanomaly

43.8145, 46.0929, 39.3884

Monochromacy



Original Color

39.8248, 46.3076, 19.9360

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.4167, 44.4282, 35.2995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8248, 46.3076, 19.9360 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(184, 186, 104)` looks like.

```
.text, #text, p{  
    color:rgb(184, 186, 104)  
}
```

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(184, 186, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 186, 104) }
```

Border

The CSS property to change the border of an element to XYZ 39.8248, 46.3076, 19.9360 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(184, 186, 104) }
```


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

```
.border{ border-color:rgb(184, 186, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 186, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 186, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 186, 104);  
box-shadow:4px 4px 4px 4px rgb(184, 186,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8248, 46.3076, 19.9360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 186, 104) }
```

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

```
.background{ background-color: rgb(184,  
186, 104) }
```

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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