

Converting Colors

XYZ(40.9245, 47.2072, 20.3374)

Have a look what the booklet for
XYZ(40.9245, 47.2072, 20.3374)
contains.

XYZ(40.8136, 47.1254, 20.3096)	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(40.8136, 47.1254,
20.3096)**

Conversions

Conversions Part 1

Format	Color
Hex	BBBB69
RGB	187, 187, 105
RGB Percent	73%, 73%, 41%
CMY	0.2667, 0.2666, 0.5882
CMYK	0.00, 0.00, 0.44, 0.27
HSL	60°, 38%, 57%
HSV	60°, 44%, 73%
XYZ	40.8136, 47.1254, 20.3096
YIQ	177.6520, 26.3220, -25.5020

Conversions

Conversions Part 2

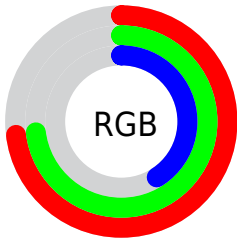
Format	Color
RYB	105, 187, 105
Decimal	12303209
CIELab	74.27, -11.88, 41.36
CIELCh	74, 43.036, 106.020
Yxy	47.1254, 0.3770, 0.4353
Android (android.graphics.Color)	4290493289 (0xFFBBBB69)
YUV	177.6520, -35.8174, 8.1982
Hunter-Lab	68.6479, -14.0094, 30.5125

Details

The XYZ color **40.8136, 47.1254, 20.3096** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.8486, 16.6954, 49.1930**, and the grayscale version is **42.3075, 44.5108, 48.4722**.

A 20% lighter version of the original color is **75.5304, 85.8029, 44.9285**, and **18.7304, 22.2316, 6.9184** is the 20% darker color. If you saturate the color by 10%, you get **39.9564, 46.7842, 15.7923**, and if you desaturate by 10%, it is **41.8845, 47.5555, 25.9420**.

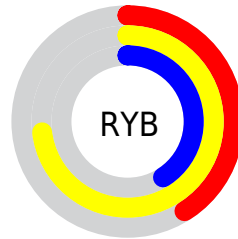
Distribution



Red (73%)

Green (73%)

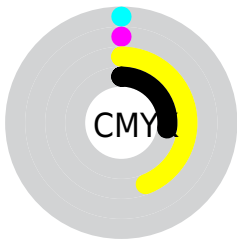
Blue (41%)



Red (41%)

Yellow (73%)

Blue (41%)

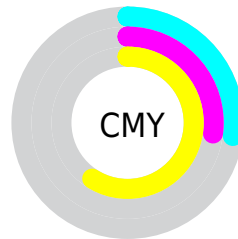


Cyan (0%)

Magenta (0%)

Yellow (44%)

Black (27%)



Cyan (27%)

Magenta (27%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8136, 47.1254, 20.3096 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 40.8136, 47.1254, 20.3096 by changing the saturation by 10% instead.

■ 40.8136, 47.1254,
20.3096

■ 40.8136, 47.1254,
20.3096

340.6169,
375.3149, 266.2457

■ 28.3605, 33.1348,
12.4340

■ 75.6773, 85.9008,
44.8014

■ 18.7394, 22.2297,
6.9139

■ 98.8187, 111.4543,
62.2547

■ 11.5850, 14.0258,
3.3307

■ 126.2535,
141.6310, 83.7376

■ 6.5320, 8.1386,
1.2658

■ 158.3471,
176.8152, 109.6687

■ 3.2149, 4.1838,
0.0336

195.4649,
217.3913, 140.4665

■ 1.2684, 1.7769,
0.0000

237.9722,

■ 0.1594, 0.4727,

263.7436, 176.5496

0.0000

286.2344,
316.2567, 218.3365

■ 0.0000, 0.0000,
0.0000

■ 40.8136, 47.1254,
20.3096

■ 40.8136, 47.1254,
20.3096

■ 39.9564, 46.7842,
15.7923

■ 41.8845, 47.5555,
25.9420

■ 39.2955, 46.5198,
12.3134

■ 43.1783, 48.0730,
32.7535

■ 38.8162, 46.3280,
9.7911


■ 44.7080, 48.6849,
40.8070


■ 38.5005, 46.2017,
8.1304


■ 46.4844, 49.3956,
50.1599


■ 38.3266, 46.1321,
7.2164

■ 48.5178, 50.2090,
60.8661

 38.2631, 46.1067,
6.8828

 50.8178, 51.1290,
72.9763

 53.3937, 52.1594,
86.5389

 56.2540, 53.3036,
101.5996

 56.3177, 53.3290,
101.9330

Harmonies

Analogous

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



48.4786, 47.1254, 20.0989



40.8136, 47.1254, 20.3096



34.9251, 47.1254, 27.0662

Triad

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



40.8136, 47.1254, 20.3096



35.2430, 47.1254, 88.4391



60.8168, 47.1254, 62.2969

Complementary

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



40.8136, 47.1254, 20.3096



19.8486, 16.6954, 49.1930

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.



56.3598, 47.1254, 86.9078



40.8136, 47.1254, 20.3096



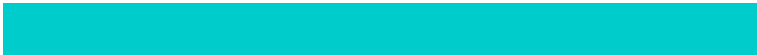
41.2958, 47.1254, 104.6900

Square

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



40.8136, 47.1254, 20.3096



31.9708, 47.1254, 63.9774



49.0194, 47.1254, 104.0604



60.6491, 47.1254, 40.4385

Rectangle

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



40.8136, 47.1254, 20.3096



32.5377, 47.1254, 35.8835



49.0194, 47.1254, 104.0604



59.7895, 47.1254, 70.6278

Sweetspot

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



40.8147, 47.1276, 20.3106



80.2572, 87.2653, 74.0826



28.0965, 21.6890, 16.0708



17.5303, 19.1598, 15.5579



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.



40.8147, 47.1276, 20.3106



71.5565, 83.7848, 28.2777



32.1761, 42.6742, 19.9063



10.3222, 11.1205, 10.1791



26.3620, 31.7660, 4.7420



1.0326, 1.2443, 0.1857

Inverse Universe

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



19.8486, 16.6954, 49.1930



28.9879, 21.9968, 86.9194



25.8767, 19.8030, 49.4751



9.0166, 9.2254, 11.9777



6.1803, 2.4721, 32.5443



0.2421, 0.0968, 1.2748

Previews

White Background



This preview shows how the XYZ color 40.8136, 47.1254, 20.3096 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 40.8136, 47.1254, 20.3096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

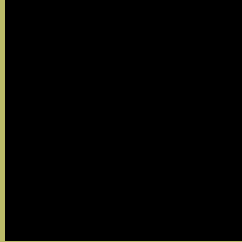
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.8136, 47.1254, 20.3096

Background



This preview shows how black text looks on a background with the XYZ color 40.8136, 47.1254, 20.3096.



This preview shows how white text looks on a background with the XYZ color 40.8136, 47.1254,

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

40.8136, 47.1254, 20.3096

Protanopia

43.2011, 47.1256, 19.6512

Deuteranopia

47.9670, 46.8844, 20.7088



Tritanopia

47.8911, 46.9416, 55.8267

Trichromacy



Original Color

40.8136, 47.1254, 20.3096

Protanomaly

42.1449, 46.8826, 19.9247

Deuteranomaly

45.0684, 46.8570, 20.5789

Tritanomaly

44.8614, 46.9233, 39.9504

Monochromacy



Original Color

40.8136, 47.1254, 20.3096

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.1658, 45.1059, 35.8148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8136, 47.1254, 20.3096 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(187, 187, 105)` looks like.

```
.text, #text, p{  
    color:rgb(187, 187, 105)  
}
```

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(187, 187, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 187, 105) }
```

Border

The CSS property to change the border of an element to XYZ 40.8136, 47.1254, 20.3096 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(187, 187, 105) }
```


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

```
.border{ border-color:rgb(187, 187, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 187, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 187, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 187, 105);  
box-shadow:4px 4px 4px 4px rgb(187, 187,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8136, 47.1254, 20.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 187, 105) }
```

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

```
.background{ background-color: rgb(187,  
187, 105) }
```

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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