

Converting Colors

XYZ(39.7851, 47.5044, 37.2550)

Have a look what the booklet for
XYZ(39.7851, 47.5044, 37.2550)
contains.

XYZ(39.6904, 47.4540, 37.2046)	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(39.6904, 47.4540,
37.2046)**

Conversions

Conversions Part 1

Format	Color
Hex	A4BF99
RGB	164, 191, 153
RGB Percent	64%, 75%, 60%
CMY	0.3569, 0.2510, 0.4000
CMYK	0.14, 0.00, 0.20, 0.25
HSL	103°, 23%, 67%
HSV	103°, 20%, 75%
XYZ	39.6904, 47.4540, 37.2046
YIQ	178.5950, -3.8940, -17.5420

Conversions

Conversions Part 2

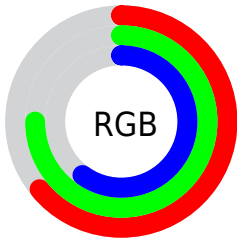
Format	Color
RYB	153, 191, 180
Decimal	10796953
CIELab	74.48, -16.27, 16.18
CIELCh	74, 22.944, 135.167
Yxy	47.4540, 0.3192, 0.3816
Android (android.graphics.Color)	4288987033 (0xFFA4BF99)
YUV	178.5950, -12.6183, -12.7998
Hunter-Lab	68.8869, -17.7060, 16.1993

Details

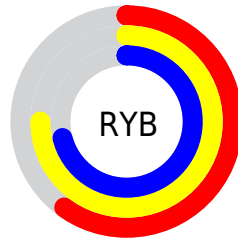
The XYZ color **39.6904, 47.4540, 37.2046** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.6195, 36.2487, 54.2012**, and the grayscale version is **42.6998, 44.9235, 48.9217**.

A 20% lighter version of the original color is **73.7367, 86.0866, 71.7615**, and **18.1688, 22.5810, 15.9713** is the 20% darker color. If you saturate the color by 10%, you get **35.5847, 45.5067, 29.4263**, and if you desaturate by 10%, it is **44.3502, 49.6605, 46.3290**.

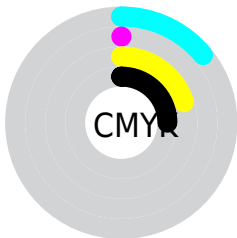
Distribution



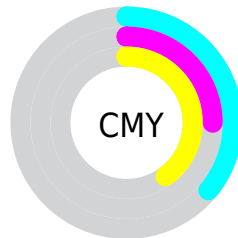
- Red (64%)
- Green (75%)
- Blue (60%)



- Red (60%)
- Yellow (75%)
- Blue (71%)



- Cyan (14%)
- Magenta (0%)
- Yellow (20%)
- Black (25%)





- Cyan (36%)
- Magenta (25%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6904, 47.4540, 37.2046 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 39.6904, 47.4540, 37.2046 by changing the saturation by 10% instead.


 39.6904, 47.4540,
37.2046


 39.6904, 47.4540,
37.2046


335.9738,
376.6238, 349.3908

 27.4804, 33.3947,
25.0689

 73.9792, 86.3909,
72.0772

 18.0728, 22.4290,
15.9089


 96.7886, 112.0373,
95.6512

 11.1023, 14.1725,
9.3061


123.8619,
142.3149, 123.8750

 6.2035, 8.2407,
4.8418

155.5645,
177.6080, 157.1672

 3.0110, 4.2494,
2.0976

192.2616,
218.3010, 195.9464

 1.1596, 1.8140,
0.6144

234.3186,

 0.0741, 0.4959,

264.7784, 240.6310

0.0000

282.1009,
317.4246, 291.6396

0.0000, 0.0000,
0.0000

39.6904, 47.4540,
37.2046

39.6904, 47.4540,
37.2046

35.5847, 45.5067,
29.4263

44.3502, 49.6605,
46.3290

32.0078, 43.8030,
22.9274

49.5804, 52.1292,
56.8559

28.9384, 42.3345,
17.6403

55.4013, 54.8707,
68.8419

26.3519, 41.0902,
13.4897

61.8310, 57.8932,
82.3400

24.2214, 40.0583,
10.3920

68.8870, 61.2047,
97.4002

■ 22.5174, 39.2254,
8.2521

■ 74.4894, 63.9740,
103.0299

■ 21.2058, 38.5766,
6.9579

■ 77.9217, 65.7435,
103.1906

■ 20.2317, 38.0882,
6.2911

■ 20.2228, 38.0837,
6.2850

Harmonies

Analogous

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



43.0527, 47.4540, 32.6407



39.6904, 47.4540, 37.2046



37.8376, 47.4540, 46.0500

Triad

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



39.6904, 47.4540, 37.2046



43.0963, 47.4540, 76.9904



53.2315, 47.4540, 45.9308

Complementary

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



39.6904, 47.4540, 37.2046



39.6195, 36.2487, 54.2012

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.



53.2450, 47.4540, 57.7282



39.6904, 47.4540, 37.2046



47.2187, 47.4540, 76.9454

Square

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



39.6904, 47.4540, 37.2046



39.7206, 47.4540, 69.5826



50.9879, 47.4540, 69.4677



50.9522, 47.4540, 37.1289

Rectangle

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



39.6904, 47.4540, 37.2046



37.6308, 47.4540, 53.7501



50.9879, 47.4540, 69.4677



53.5055, 47.4540, 49.6430

Sweetspot

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



39.6917, 47.4560, 37.2056



82.8656, 90.5619, 89.8363



43.4782, 45.8595, 36.6979



18.0630, 19.8235, 19.4594



92.9021, 97.7402, 106.4391



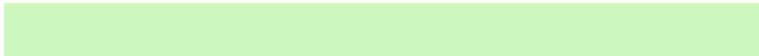
19.4759, 20.4902, 22.3138

Same Dimension

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



39.6917, 47.4560, 37.2056



67.6667, 83.3691, 60.0945



38.1669, 46.5951, 40.5167



9.6613, 10.7798, 10.1481



13.3598, 25.0631, 4.1335



0.5905, 1.0164, 0.1651

Inverse Universe

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



39.6195, 36.2487, 54.2012



67.5099, 59.5483, 96.2149



41.4678, 37.2956, 50.0336



9.6536, 9.5538, 12.0075



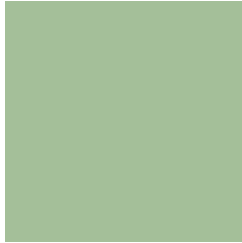
12.9057, 5.9392, 32.8591



0.5673, 0.2645, 1.2900

Previews

White Background



This preview shows how the XYZ color 39.6904, 47.4540, 37.2046 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 39.6904, 47.4540, 37.2046 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 39.6904, 47.4540, 37.2046

Background



This preview shows how black text looks on a background with the XYZ color 39.6904, 47.4540, 37.2046.



This preview shows how white text looks on a background with the XYZ color 39.6904, 47.4540,

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

39.6904, 47.4540, 37.2046

Protanopia

44.4009, 47.0952, 35.1839

Deuteranopia

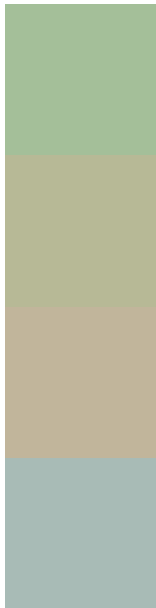
48.1044, 47.1526, 38.0185



Tritanopia

44.4524, 47.4794, 60.8544

Trichromacy



Original Color

39.6904, 47.4540, 37.2046

Protanomaly

42.3824, 46.9672, 35.6859

Deuteranomaly

44.4326, 46.7518, 37.6925

Tritanomaly

42.3623, 47.2429, 51.1420

Monochromacy



Original Color

39.6904, 47.4540, 37.2046

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.6447, 45.7679, 44.6694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6904, 47.4540, 37.2046 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(164, 191, 153)` looks like.

```
.text, #text, p{  
    color:rgb(164, 191, 153)  
}
```

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(164, 191, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 191, 153) }
```

Border

The CSS property to change the border of an element to XYZ 39.6904, 47.4540, 37.2046 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(164, 191, 153) }
```


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

```
.border{ border-color:rgb(164, 191, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 191, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 191, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 191, 153);  
box-shadow:4px 4px 4px 4px rgb(164, 191,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6904, 47.4540, 37.2046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 191, 153) }
```

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

```
.background{ background-color: rgb(164,  
191, 153) }
```

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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