

Converting Colors

XYZ(37.7393, 43.7895, 42.2064)

Have a look what the booklet for
XYZ(37.7393, 43.7895, 42.2064)
contains.

XYZ(37.6296, 43.7517, 42.0589)	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(37.6296, 43.7517,
42.0589)**

Conversions

Conversions Part 1

Format	Color
Hex	9DB7A5
RGB	157, 183, 165
RGB Percent	62%, 72%, 65%
CMY	0.3843, 0.2823, 0.3529
CMYK	0.14, 0.00, 0.10, 0.28
HSL	138°, 15%, 67%
HSV	138°, 14%, 72%
XYZ	37.6296, 43.7517, 42.0589
YIQ	173.1740, -9.7180, -11.1100

Conversions

Conversions Part 2

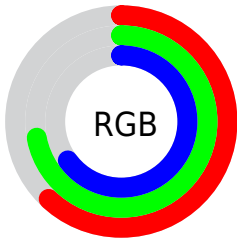
Format	Color
RYB	157, 177, 183
Decimal	10336165
CIELab	72.06, -12.44, 6.18
CIELCh	72, 13.885, 153.595
Yxy	43.7517, 0.3048, 0.3544
Android (android.graphics.Color)	4288526245 (0xFF9DB7A5)
YUV	173.1740, -4.0298, -14.1846
Hunter-Lab	66.1451, -14.2061, 8.6015

Details

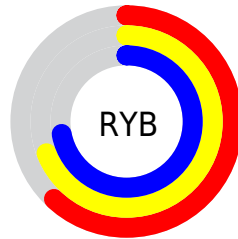
The XYZ color **37.6296, 43.7517, 42.0589** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.3248, 37.2773, 45.6820**, and the grayscale version is **39.8337, 41.9081, 45.6380**.

A 20% lighter version of the original color is **70.9361, 80.8974, 79.5862**, and **16.7890, 20.1608, 18.6293** is the 20% darker color. If you saturate the color by 10%, you get **33.2265, 41.6098, 36.1285**, and if you desaturate by 10%, it is **42.6842, 46.2187, 48.6180**.

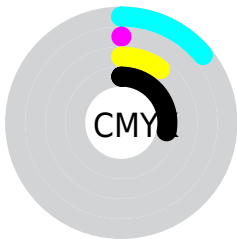
Distribution



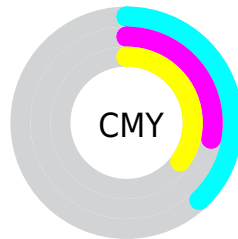
- Red (62%)
- Green (72%)
- Blue (65%)



- Red (62%)
- Yellow (69%)
- Blue (72%)



- Cyan (14%)
- Magenta (0%)
- Yellow (10%)
- Black (28%)



- Cyan (38%)
- Magenta (28%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6296, 43.7517, 42.0589 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 37.6296, 43.7517, 42.0589 by changing the saturation by 10% instead.

■ 37.6296, 43.7517,
42.0589

■ 37.6296, 43.7517,
42.0589

327.3368,
361.6941, 370.5339

■ 25.8712, 30.4754,
28.8215

■ 70.8476, 80.8440,
79.5598

■ 16.8595, 20.1997,
18.7014

■ 93.0380, 105.4287,
104.6604

■ 10.2291, 12.5403,
11.2801

119.4364,
134.5517, 134.5525

■ 5.6145, 7.1127,
6.1390

150.4083,
168.5973, 169.6546

■ 2.6506, 3.5327,
2.8596

186.3189,
207.9499, 210.3852

■ 0.9718, 1.4158,
1.0234

227.5336,

■ 0.0000, 0.2283,

252.9940, 257.1630

0.0000

274.4178,
304.1139, 310.4063

0.0000, 0.0000,
0.0000

37.6296, 43.7517,
42.0589

37.6296, 43.7517,
42.0589

33.2265, 41.6098,
36.1285

42.6842, 46.2187,
48.6180

29.4444, 39.7739,
30.8055

48.4120, 49.0181,
55.8208

26.2554, 38.2314,
26.0714

54.8384, 52.1635,
63.6852

23.6282, 36.9665,
21.9056

61.9860, 55.6666,
72.2275

21.5285, 35.9620,
18.2867

69.8767, 59.5382,
81.4637

■ 19.9182, 35.1987,
15.1914

■ 74.0547, 61.4808,
91.1994

■ 18.7535, 34.6546,
12.5950

■ 76.0143, 62.2647,
101.5186

■ 17.9823, 34.3032,
10.4706

■ 76.2243, 62.3487,
102.6248

■ 17.6556, 34.1572,
9.4430

Harmonies

Analogous

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



39.1103, 43.7517, 37.5595



37.6296, 43.7517, 42.0589



37.1943, 43.7517, 48.4623

Triad

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



37.6296, 43.7517, 42.0589



41.8715, 43.7517, 61.9093



45.5031, 43.7517, 40.7661

Complementary

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



37.6296, 43.7517, 42.0589



39.3248, 37.2773, 45.6820

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.



46.3077, 43.7517, 46.8234



37.6296, 43.7517, 42.0589



44.1613, 43.7517, 59.3755

Square

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



37.6296, 43.7517, 42.0589



39.5880, 43.7517, 60.3297



45.8076, 43.7517, 53.6902



43.6474, 43.7517, 36.8645

Rectangle

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



37.6296, 43.7517, 42.0589



37.5412, 43.7517, 53.0635



45.8076, 43.7517, 53.6902



45.9086, 43.7517, 42.5959

Sweetspot

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



37.6308, 43.7536, 42.0599



76.5809, 82.8403, 87.2461



40.7451, 45.4405, 38.5221



16.7544, 18.2188, 19.0655



88.6918, 93.3107, 101.6153



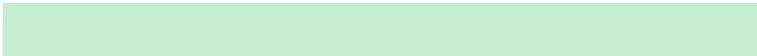
17.8044, 18.7317, 20.3988

Same Dimension

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



37.6308, 43.7536, 42.0599



64.8484, 77.1185, 71.9439



38.8553, 44.2434, 48.5081



9.0011, 10.1044, 10.1631



12.3437, 23.8384, 6.7317



0.4637, 0.8518, 0.3878

Inverse Universe

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



39.3248, 37.2773, 45.6820



68.4598, 63.3101, 79.6646



38.1261, 36.7979, 39.3697



9.2601, 9.1144, 10.7170



16.3138, 8.0993, 14.8051



0.6014, 0.2960, 0.6605

Previews

White Background



This preview shows how the XYZ color 37.6296, 43.7517, 42.0589 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 37.6296, 43.7517, 42.0589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

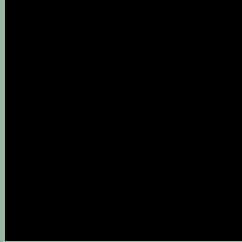
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.6296, 43.7517, 42.0589

Background



This preview shows how black text looks on a background with the XYZ color 37.6296, 43.7517, 42.0589.



This preview shows how white text looks on a background with the XYZ color 37.6296, 43.7517,

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

37.6296, 43.7517, 42.0589

Protanopia

41.4868, 43.6912, 39.9649

Deuteranopia

44.4686, 43.4469, 43.0881



Tritanopia

40.6460, 43.7718, 56.7586

Trichromacy



Original Color

37.6296, 43.7517, 42.0589

Protanomaly

40.0972, 43.8475, 40.5325

Deuteranomaly

41.5964, 43.3950, 42.7429

Tritanomaly

39.3657, 43.5350, 51.1280

Monochromacy



Original Color

37.6296, 43.7517, 42.0589

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.9142, 42.5621, 44.1945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6296, 43.7517, 42.0589 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(157, 183, 165)` looks like.

```
.text, #text, p{  
    color:rgb(157, 183, 165)  
}
```

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(157, 183, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 183, 165) }
```

Border

The CSS property to change the border of an element to XYZ 37.6296, 43.7517, 42.0589 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(157, 183, 165) }
```


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

```
.border{ border-color:rgb(157, 183, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 183, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 183, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 183, 165);  
box-shadow:4px 4px 4px 4px rgb(157, 183,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6296, 43.7517, 42.0589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 183, 165) }
```

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

```
.background{ background-color: rgb(157,  
183, 165) }
```

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