

Converting Colors

XYZ(24.9514, 36.9492, 34.7578)

Have a look what the booklet for
XYZ(24.9514, 36.9492, 34.7578)
contains.

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Color

**XYZ(24.9806, 37.0744,
34.6936)**

Conversions

Conversions Part 1

Format	Color
Hex	49B696
RGB	73, 182, 150
RGB Percent	29%, 71%, 59%
CMY	0.7137, 0.2863, 0.4118
CMYK	0.60, 0.00, 0.18, 0.29
HSL	162°, 43%, 50%
HSV	162°, 60%, 71%
XYZ	24.9806, 37.0744, 34.6936
YIQ	145.7610, -54.6920, -33.0600

Conversions

Conversions Part 2

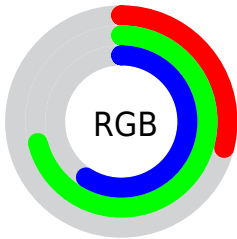
Format	Color
RYB	73, 137, 182
Decimal	4830870
CIELab	67.33, -38.92, 7.07
CIELCh	67, 39.555, 169.697
Yxy	37.0744, 0.2582, 0.3832
Android (android.graphics.Color)	4283020950 (0xFF49B696)
YUV	145.7610, 2.0898, -63.8114
Hunter-Lab	60.8888, -33.3228, 8.8395

Details

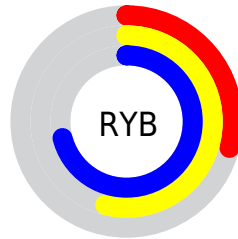
The XYZ color **24.9806, 37.0744, 34.6936** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **24.2250, 15.7310, 15.1255**, and the grayscale version is **27.2324, 28.6506, 31.2005**.

A 20% lighter version of the original color is **51.1257, 70.9179, 68.1207**, and **9.9713, 16.3392, 14.4326** is the 20% darker color. If you saturate the color by 10%, you get **23.3779, 36.2977, 32.4240**, and if you desaturate by 10%, it is **27.0085, 38.0699, 37.0872**.

Distribution



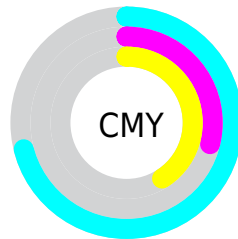
- Red (29%)
- Green (71%)
- Blue (59%)



- Red (29%)
- Yellow (54%)
- Blue (71%)



- Cyan (60%)
- Magenta (0%)
- Yellow (18%)
- Black (29%)





- Cyan (71%)
- Magenta (29%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9806, 37.0744, 34.6936 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 24.9806, 37.0744, 34.6936 by changing the saturation by 10% instead.


 24.9806, 37.0744,
34.6936


 24.9806, 37.0744,
34.6936


270.0907,
333.6325, 338.0769


 16.1913, 25.2651,
23.1453


 51.0689, 70.6872,
68.1570


 9.7513, 16.2747,
14.4945


 69.0985, 93.2595,
90.9092


 5.2954, 9.7187,
8.3227


 90.9389, 120.1882,
118.2331

 2.4581, 5.2129,
4.2114

 116.9556,
151.8578, 150.5472

 0.8742, 2.3727,
1.7420

 147.5137,
188.6526, 188.2701

 0.0000, 0.8118,
0.3893

182.9787,

 0.0000, 0.0000,

230.9571, 231.8203

0.0000

223.7159,
279.1556, 281.6164

■ 24.9806, 37.0744,
34.6936

■ 24.9806, 37.0744,
34.6936

■ 23.3779, 36.2977,
32.4240

■ 27.0085, 38.0699,
37.0872

■ 22.1606, 35.7165,
30.2727

■ 29.4906, 39.2963,
39.6050

■ 21.2867, 35.3102,
28.2372

■ 32.4571, 40.7701,
42.2505

■ 20.6689, 35.0336,
26.3121

■ 35.9344, 42.5049,
45.0263

■ 20.6624, 35.0307,
26.2913

■ 39.9472, 44.5134,
47.9347

■ 44.5184, 46.8073,
50.9781

■ 49.6696, 49.3977,
54.1587

■ 55.4212, 52.2953,
57.4786

■ 61.7927, 55.5099,
60.9400

Harmonies

Analogous

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



27.0847, 37.0744, 22.4148



24.9806, 37.0744, 34.6936



25.3750, 37.0744, 52.6798

Triad

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



24.9806, 37.0744, 34.6936



39.3092, 37.0744, 80.5956



43.3171, 37.0744, 19.9063

Complementary

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



24.9806, 37.0744, 34.6936



24.2250, 15.7310, 15.1255

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.



47.3739, 37.0744, 30.1410



24.9806, 37.0744, 34.6936



44.8827, 37.0744, 66.0010

Square

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



24.9806, 37.0744, 34.6936



33.1968, 37.0744, 82.8572



47.9775, 37.0744, 46.6290



37.3615, 37.0744, 15.6481

Rectangle

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



24.9806, 37.0744, 34.6936



27.0184, 37.0744, 65.6270



47.9775, 37.0744, 46.6290



44.9757, 37.0744, 22.5977

Sweetspot

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



24.9816, 37.0759, 34.6945



66.2332, 77.6013, 82.4485



23.8399, 36.9843, 12.1860



14.1924, 16.9216, 17.8792



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.



24.9816, 37.0759, 34.6945



41.5733, 65.4162, 57.4601



23.7978, 30.0062, 48.7952



9.1513, 10.1645, 10.9539



14.6211, 24.7494, 18.7245



0.5411, 0.8827, 0.7951

Inverse Universe

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



24.2250, 15.7310, 15.1255



40.1304, 23.2473, 19.0579



24.5694, 18.5755, 8.5943



9.1102, 9.0544, 9.9277



14.1100, 7.2178, 3.2001



0.5254, 0.2656, 0.2601

Previews

White Background



This preview shows how the XYZ color 24.9806, 37.0744, 34.6936 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 24.9806, 37.0744, 34.6936 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 24.9806, 37.0744, 34.6936

Background



This preview shows how black text looks on a background with the XYZ color 24.9806, 37.0744, 34.6936.



This preview shows how white text looks on a background with the XYZ color 24.9806, 37.0744,

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

24.9806, 37.0744, 34.6936

Protanopia

34.4485, 36.3920, 30.0197

Deuteranopia

37.0294, 36.3043, 36.0661



Tritanopia

28.9538, 36.8870, 54.8841

Trichromacy



Original Color

24.9806, 37.0744, 34.6936



Protanomaly

29.2137, 35.5404, 31.7058



Deuteranomaly

30.5413, 35.3231, 35.3453



Tritanomaly

27.3241, 36.8144, 46.7400

Monochromacy



Original Color

24.9806, 37.0744, 34.6936



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

25.2723, 30.8248, 32.2215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9806, 37.0744, 34.6936 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(73, 182, 150)` looks like.

```
.text, #text, p{  
    color:rgb(73, 182, 150)  
}
```

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(73, 182, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 182, 150) }
```

Border

The CSS property to change the border of an element to XYZ 24.9806, 37.0744, 34.6936 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(73, 182, 150) }
```


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

```
.border{ border-color:rgb(73, 182, 150) }
```

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

Here you see how a box with a 4 pixel rgb(73, 182, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 182, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 182, 150);  
box-shadow:4px 4px 4px 4px rgb(73, 182,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9806, 37.0744, 34.6936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 182, 150) }
```

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

```
.background{ background-color: rgb(73, 182,  
150) }
```

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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