

Converting Colors

XYZ(37.4701, 24.9628, 53.1949)

Have a look what the booklet for
XYZ(37.4701, 24.9628, 53.1949)
contains.

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Color

**XYZ(37.4715, 24.9704,
53.2969)**

Conversions

Conversions Part 1

Format	Color
Hex	C664C1
RGB	198, 100, 193
RGB Percent	78%, 39%, 76%
CMY	0.2235, 0.6078, 0.2431
CMYK	0.00, 0.49, 0.03, 0.22
HSL	303°, 46%, 58%
HSV	303°, 49%, 78%
XYZ	37.4715, 24.9704, 53.2969
YIQ	139.9040, 28.5550, 49.6990

Conversions

Conversions Part 2

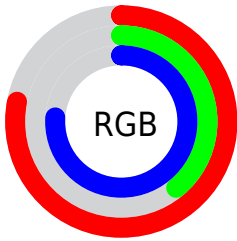
Format	Color
R_{YB}	198, 100, 193
Decimal	13001921
CIE _{Lab}	57.05, 51.77, -31.68
CIE _{LCh}	57, 60.693, 328.539
Yxy	24.9704, 0.3238, 0.2157
Android (android.graphics.Color)	4291192001 (0xFFC664C1)
YUV	139.9040, 26.1763, 50.9502
Hunter-Lab	49.9704, 46.4043, -28.2576

Details

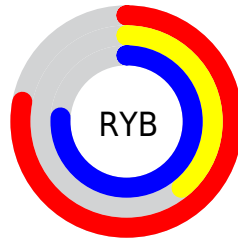
The XYZ color **37.4715, 24.9704, 53.2969** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **28.0005, 44.1183, 20.4060**, and the grayscale version is **24.7848, 26.0755, 28.3962**.

A 20% lighter version of the original color is **70.0509, 51.2733, 96.6471**, and **16.7925, 9.5689, 25.3880** is the 20% darker color. If you saturate the color by 10%, you get **35.6860, 21.5786, 52.1478**, and if you desaturate by 10%, it is **39.7209, 29.2876, 54.6049**.

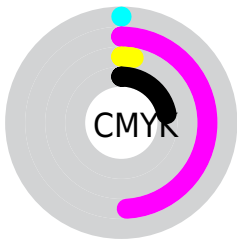
Distribution



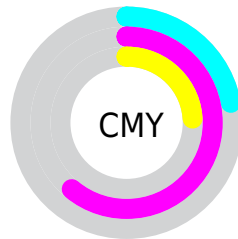
- Red (78%)
- Green (39%)
- Blue (76%)



- Red (78%)
- Yellow (39%)
- Blue (76%)



- Cyan (0%)
- Magenta (49%)
- Yellow (3%)
- Black (22%)




- Cyan (22%)
- Magenta (61%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4715, 24.9704, 53.2969 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 37.4715, 24.9704, 53.2969 by changing the saturation by 10% instead.

 37.4715, 24.9704,
53.2969

 37.4715, 24.9704,
53.2969

326.6676,
277.6905, 416.5217

 25.7481, 16.0550,
37.6505


 70.6065, 51.6092,
96.4871


 16.7670, 9.5631,
25.4118


 92.7488, 70.1014,
124.8679

 10.1628, 5.1102,
16.1623


 119.0948, 92.5546,
158.3307

 5.5701, 2.3121,
9.4835

 150.0099,
119.3533, 197.2939

 2.6236, 0.7801,
4.9568

185.8593,
150.8819, 242.1760

 0.9580, 0.0000,
2.1636

227.0085,

 0.0000, 0.0000,

187.5247, 293.3957

0.6533

273.8228,
229.6661, 351.3714

■ 0.0000, 0.0000,
0.0000

■ 37.4715, 24.9704,
53.2969

■ 37.4715, 24.9704,
53.2969

■ 35.6860, 21.5786,
52.1478

■ 39.7209, 29.2876,
54.6049

■ 34.3279, 19.0409,
51.1446

■ 42.4622, 34.5881,
56.0805

■ 33.3593, 17.2810,
50.2751

■ 45.7244, 40.9288,
57.7335

■ 32.7345, 16.2074,
49.5240

■ 49.5332, 48.3617,
59.5726

■ 32.3715, 15.6564,
48.8639

■ 53.9128, 56.9350,
61.6058

■ 32.3550, 15.6323,
48.8312

■ 58.8859, 66.6941,
63.8406

■ 64.4741, 77.6819,
66.2843

■ 69.6014, 87.7469,
68.5782

■ 69.7207, 87.7946,
69.2066

Harmonies

Analogous

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



30.9132, 24.9704, 78.4024



37.4715, 24.9704, 53.2969



40.2681, 24.9704, 28.2034

Triad

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



37.4715, 24.9704, 53.2969



24.0854, 24.9704, 3.7843



13.6028, 24.9704, 50.6231

Complementary

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



37.4715, 24.9704, 53.2969



28.0005, 44.1183, 20.4060

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.



12.4872, 24.9704, 26.1983



37.4715, 24.9704, 53.2969



17.7618, 24.9704, 5.2132

Square

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



37.4715, 24.9704, 53.2969



31.6420, 24.9704, 5.5537



13.8458, 24.9704, 11.4004



17.2667, 24.9704, 76.3888

Rectangle

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



37.4715, 24.9704, 53.2969



39.2696, 24.9704, 16.5081



13.8458, 24.9704, 11.4004



12.9541, 24.9704, 41.6987

Sweetspot

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



37.4724, 24.9715, 53.2974



83.7258, 77.8518, 103.5829



20.5654, 16.1901, 55.4678



17.6201, 16.0771, 22.0246



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



37.4724, 24.9715, 53.2974



63.0843, 38.0071, 92.2685



32.8886, 23.1380, 29.1596



11.0588, 10.8069, 13.2931



21.0509, 10.1699, 31.8077



1.0041, 0.4845, 1.5448

Inverse Universe

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



37.4724, 24.9715, 53.2974



63.0843, 38.0071, 92.2685



31.2751, 45.4281, 37.6496



11.0588, 10.8069, 13.2931



21.0509, 10.1699, 31.8077



1.0041, 0.4845, 1.5448

Previews

White Background



This preview shows how the XYZ color 37.4715, 24.9704, 53.2969 looks on a white background.

Color Contrast Check

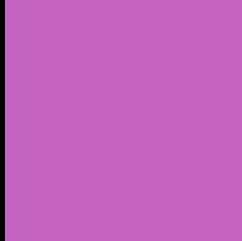
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.4715, 24.9704, 53.2969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

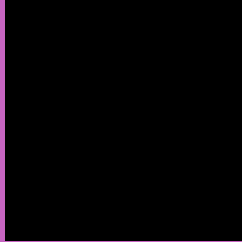
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.4715, 24.9704, 53.2969

Background



This preview shows how black text looks on a background with the XYZ color 37.4715, 24.9704, 53.2969.



This preview shows how white text looks on a background with the XYZ color 37.4715, 24.9704,

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

37.4715, 24.9704, 53.2969

Protanopia

27.4423, 25.4854, 72.5801

Deuteranopia

25.8020, 25.1268, 50.5037



Tritanopia

31.1823, 24.9186, 22.5683

Trichromacy



Original Color

37.4715, 24.9704, 53.2969



Protanomaly

29.1986, 24.0255, 64.7265



Deuteranomaly

28.7225, 24.0772, 51.2776



Tritanomaly

33.0733, 24.6913, 31.8769

Monochromacy



Original Color

37.4715, 24.9704, 53.2969



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

28.2896, 24.7475, 36.0866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4715, 24.9704, 53.2969 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(198, 100, 193)` looks like.

```
.text, #text, p{  
    color:rgb(198, 100, 193)  
}
```

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(198, 100, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 100, 193) }
```

Border

The CSS property to change the border of an element to XYZ 37.4715, 24.9704, 53.2969 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(198, 100, 193) }
```


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

```
.border{ border-color:rgb(198, 100, 193) }
```

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

Here you see how a box with a 4 pixel rgb(198, 100, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 100, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 100, 193);  
box-shadow:4px 4px 4px 4px rgb(198, 100,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4715, 24.9704, 53.2969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 100, 193) }
```

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

```
.background{ background-color: rgb(198,  
100, 193) }
```

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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