

Converting Colors

XYZ(37.8099, 24.9934, 54.9899)

Have a look what the booklet for
XYZ(37.8099, 24.9934, 54.9899)
contains.

| | |
|--|----|
| XYZ(37.7143, 24.9150, 55.0459) | 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(37.7143, 24.9150,
55.0459)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | C663C4 |
| RGB | 198, 99, 196 |
| RGB Percent | 78%, 39%, 77% |
| CMY | 0.2235, 0.6117, 0.2314 |
| CMYK | 0.00, 0.50, 0.01, 0.22 |
| HSL | 301°, 46%, 58% |
| HSV | 301°, 50%, 78% |
| XYZ | 37.7143, 24.9150, 55.0459 |
| YIQ | 139.6590, 27.8670, 51.1550 |

Conversions

Conversions Part 2

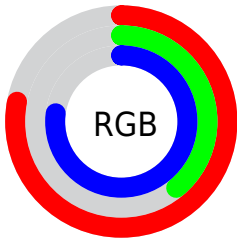
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 198, 99, 196 |
| Decimal | 13001668 |
| CIE _{Lab} | 56.99, 52.79, -33.48 |
| CIE _{LCh} | 57, 62.513, 327.622 |
| Yxy | 24.9150, 0.3205, 0.2117 |
| Android (android.graphics.Color) | 4291191748 (0xFFC663C4) |
| YUV | 139.6590, 27.7761, 51.1651 |
| Hunter-Lab | 49.9149, 47.5184, -30.4442 |

Details

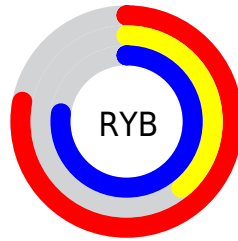
The XYZ color **37.7143, 24.9150, 55.0459** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **27.6897, 43.9812, 19.3432**, and the grayscale version is **24.6843, 25.9698, 28.2811**.

A 20% lighter version of the original color is **70.3609, 51.1343, 99.0900**, and **16.9762, 9.5805, 26.5457** is the 20% darker color. If you saturate the color by 10%, you get **36.0181, 21.5949, 54.2564**, and if you desaturate by 10%, it is **39.8721, 29.1571, 55.9904**.

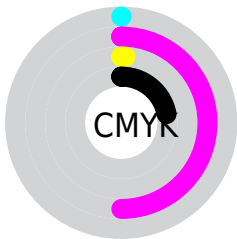
Distribution



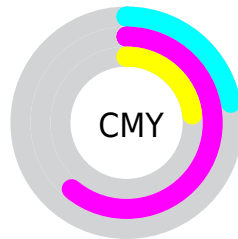
- Red (78%)
- Green (39%)
- Blue (77%)



- Red (78%)
- Yellow (39%)
- Blue (77%)



- Cyan (0%)
- Magenta (50%)
- Yellow (1%)
- Black (22%)




- Cyan (22%)
- Magenta (61%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7143, 24.9150, 55.0459 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 37.7143, 24.9150, 55.0459 by changing the saturation by 10% instead.


 37.7143, 24.9150,
55.0459


 37.7143, 24.9150,
55.0459


327.6949,
277.4144, 423.3727


 25.9372, 16.0137,
39.0396

 70.9767, 51.5193,
99.0800


 16.9091, 9.5339,
26.4825


 93.1928, 69.9911,
127.9450

 10.2646, 5.0910,
16.9559


 119.6193, 92.4219,
161.9332

 5.6384, 2.3008,
10.0415

 150.6215,
119.1961, 201.4633

 2.6650, 0.7741,
5.3205

186.5648,
150.6980, 246.9537

 0.9792, 0.0000,
2.3745

227.8146,

 0.0000, 0.0000,

187.3121, 298.8231

0.7725

274.7362,
229.4228, 357.4899

■ 0.0000, 0.0000,
0.0000

■ 37.7143, 24.9150,
55.0459

■ 37.7143, 24.9150,
55.0459

■ 36.0181, 21.5949,
54.2564

■ 39.8721, 29.1571,
55.9904

■ 34.7468, 19.1248,
53.6088

■ 42.5198, 34.3792,
57.0985

■ 33.8623, 17.4281,
53.0907

■ 45.6862, 40.6386,
58.3802

■ 33.3183, 16.4124,
52.6868

■ 49.3973, 47.9874,
59.8440

■ 33.0266, 15.9010,
52.3676

■ 53.6775, 56.4739,
61.4981

■ 33.0266, 15.9009,
52.3675

■ 58.5494, 66.1438,
63.3501

■ 64.0346, 77.0400,
65.4071

■ 69.3811, 87.6588,
67.4185

■ 69.4277, 87.6774,
67.6638

Harmonies

Analogous

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



30.8468, 24.9150, 81.0241



37.7143, 24.9150, 55.0459



40.7695, 24.9150, 28.8407

Triad

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



37.7143, 24.9150, 55.0459



24.2716, 24.9150, 3.4668



13.2467, 24.9150, 50.5188

Complementary

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



37.7143, 24.9150, 55.0459



27.6897, 43.9812, 19.3432

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.



12.1920, 24.9150, 25.4849



37.7143, 24.9150, 55.0459



17.7209, 24.9150, 4.7612

Square

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



37.7143, 24.9150, 55.0459



32.0728, 24.9150, 5.3067



13.6484, 24.9150, 10.7276



16.8977, 24.9150, 77.5943

Rectangle

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



37.7143, 24.9150, 55.0459



39.8427, 24.9150, 16.6381



13.6484, 24.9150, 10.7276



12.6145, 24.9150, 41.2989

Sweetspot

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



37.7152, 24.9161, 55.0464



83.9143, 77.9272, 104.5754



19.9838, 15.7488, 55.4132



17.6660, 16.0955, 22.2667



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.



37.7152, 24.9161, 55.0464



63.5476, 37.7852, 95.9634



33.0062, 23.0325, 30.2495



11.0735, 10.8128, 13.3703



21.4819, 10.3423, 34.0770



1.0202, 0.4909, 1.6294

Inverse Universe

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



37.7152, 24.9161, 55.0464



63.5476, 37.7852, 95.9634



30.8578, 45.2485, 36.0263



11.0735, 10.8128, 13.3703



21.4819, 10.3423, 34.0770



1.0202, 0.4909, 1.6294

Previews

White Background



This preview shows how the XYZ color 37.7143, 24.9150, 55.0459 looks on a white background.

Color Contrast Check

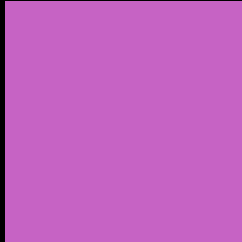
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.7143, 24.9150, 55.0459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

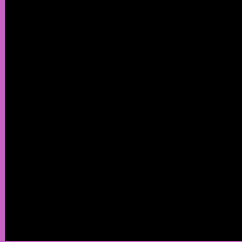
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.7143, 24.9150, 55.0459

Background



This preview shows how black text looks on a background with the XYZ color 37.7143, 24.9150, 55.0459.



This preview shows how white text looks on a background with the XYZ color 37.7143, 24.9150,

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

37.7143, 24.9150, 55.0459

Protanopia

27.5081, 25.2505, 75.3755

Deuteranopia

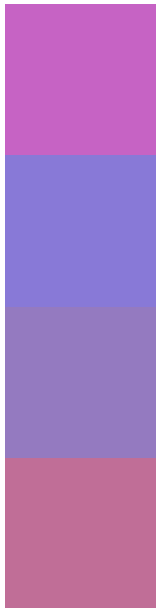
25.7040, 25.0387, 52.1934



Tritanopia

30.9333, 24.7903, 22.5567

Trichromacy



Original Color

37.7143, 24.9150, 55.0459

Protanomaly

29.2565, 23.8153, 67.3448

Deuteranomaly

28.6867, 24.0207, 52.9937

Tritanomaly

32.9001, 24.5927, 32.2910

Monochromacy



Original Color

37.7143, 24.9150, 55.0459

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

28.3767, 24.7824, 36.5456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7143, 24.9150, 55.0459 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, 99, 196)` looks like.

```
.text, #text, p{  
    color:rgb(198, 99, 196)  
}
```

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, 99, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 99, 196) }
```

Border

The CSS property to change the border of an element to XYZ 37.7143, 24.9150, 55.0459 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, 99, 196) }
```


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

```
.border{ border-color:rgb(198, 99, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 99, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 99, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 99, 196);  
box-shadow:4px 4px 4px 4px rgb(198, 99,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7143, 24.9150, 55.0459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 99, 196) }
```

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

```
.background{ background-color: rgb(198, 99,  
196) }
```

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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