

Converting Colors

XYZ(37.7984, 25.5397, 45.1971)

Have a look what the booklet for
XYZ(37.7984, 25.5397, 45.1971)
contains.

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Color

**XYZ(37.6891, 25.5545,
45.0656)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | CC66B2 |
| RGB | 204, 102, 178 |
| RGB Percent | 80%, 40%, 70% |
| CMY | 0.2000, 0.6000, 0.3020 |
| CMYK | 0.00, 0.50, 0.13, 0.20 |
| HSL | 315°, 50%, 60% |
| HSV | 315°, 50%, 80% |
| XYZ | 37.6891, 25.5545, 45.0656 |
| YIQ | 141.1620, 36.3960, 45.2600 |

Conversions

Conversions Part 2

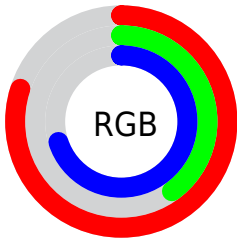
| Format | Color |
|-------------------------------------|--|
| RYB | 204, 102, 178 |
| Decimal | 13395634 |
| CIELab | 57.61, 50.04, -22.13 |
| CIElCh | 58, 54.718, 336.143 |
| Yxy | 25.5545, 0.3480, 0.2359 |
| Android (android.graphics.Color) | 4291585714 (0xFFCC66B2) |
| YUV | 141.1620, 18.1611, 55.1089 |
| Hunter-Lab | 50.5515, 44.6172, -17.4698 |

Details

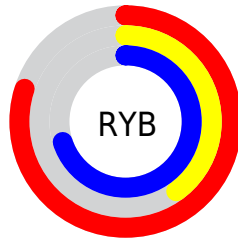
The XYZ color **37.6891, 25.5545, 45.0656** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **30.9698, 47.5698, 27.9737**, and the grayscale version is **25.3028, 26.6206, 28.9898**.

A 20% lighter version of the original color is **67.9797, 50.9774, 84.0986**, and **16.7912, 9.7976, 20.4082** is the 20% darker color. If you saturate the color by 10%, you get **35.4132, 21.8221, 41.7796**, and if you desaturate by 10%, it is **40.4797, 30.2837, 48.6213**.

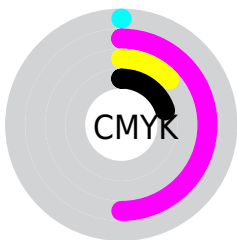
Distribution



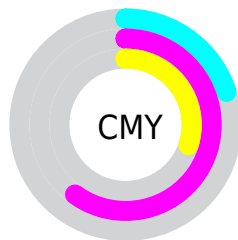
- Red (80%)
- Green (40%)
- Blue (70%)



- Red (80%)
- Yellow (40%)
- Blue (70%)



- Cyan (0%)
- Magenta (50%)
- Yellow (13%)
- Black (20%)




- Cyan (20%)
- Magenta (60%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6891, 25.5545, 45.0656 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 37.6891, 25.5545, 45.0656 by changing the saturation by 10% instead.

 37.6891, 25.5545,
45.0656


 37.6891, 25.5545,
45.0656


327.5884,
280.5882, 383.2070

 25.9176, 16.4907,
31.1658


 70.9383, 52.5554,
84.1383


 16.8944, 9.8720,
20.4656


 93.1468, 71.2612,
110.1483

 10.2540, 5.3142,
12.5465


 119.5649, 93.9498,
141.0321

 5.6313, 2.4328,
6.9900

 150.5581,
121.0055, 177.2083

 2.6607, 0.8427,
3.3775

186.4917,
152.8129, 219.0953

 0.9770, 0.0000,
1.2905

227.7310,

 0.0000, 0.0000,

189.7562, 267.1117

0.0540

274.6415,
232.2198, 321.6761

■ 0.0000, 0.0000,
0.0000

■ 37.6891, 25.5545,
45.0656

■ 37.6891, 25.5545,
45.0656

■ 35.4132, 21.8221,
41.7796

■ 40.4797, 30.2837,
48.6213

■ 33.6124, 19.0092,
38.7483

■ 43.8158, 36.0723,
52.4574

■ 32.2455, 17.0328,
35.9572


■ 47.7287, 42.9822,
56.5854


■ 31.2623, 15.7934,
33.3884


■ 52.2466, 51.0693,
61.0159


■ 30.5695, 15.1046,
31.0097


■ 57.3957, 60.3858,
65.7586

 30.5694, 15.1044,
31.0091

 63.2007, 70.9808,
70.8227

 69.6849, 82.9007,
76.2169

 73.5278, 89.5038,
80.8354

 74.2258, 89.7830,
84.5112

Harmonies

Analogous

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



32.4798, 25.5545, 68.1792



37.6891, 25.5545, 45.0656



39.0474, 25.5545, 24.1481

Triad

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



37.6891, 25.5545, 45.0656



22.9687, 25.5545, 5.1894



15.4887, 25.5545, 54.9057

Complementary

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



37.6891, 25.5545, 45.0656



30.9698, 47.5698, 27.9737

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.



13.8147, 25.5545, 31.8563



37.6891, 25.5545, 45.0656



17.6055, 25.5545, 7.7064

Square

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



37.6891, 25.5545, 45.0656



29.7339, 25.5545, 6.1831



14.5136, 25.5545, 15.6596



19.5527, 25.5545, 75.4214

Rectangle

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



37.6891, 25.5545, 45.0656



37.4058, 25.5545, 14.7890



14.5136, 25.5545, 15.6596



14.6645, 25.5545, 46.8847

Sweetspot

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



37.6899, 25.5557, 45.0661



82.5080, 77.3647, 97.1703



24.4788, 18.4144, 59.3913



17.3241, 15.9587, 20.4660



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.



37.6899, 25.5557, 45.0661



58.3858, 35.7205, 68.7819



33.5177, 23.8868, 23.0955



11.5606, 11.3530, 13.4869



19.2799, 9.5226, 19.7246



1.0242, 0.5031, 1.1733

Inverse Universe

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



37.6899, 25.5557, 45.0661



58.3858, 35.7205, 68.7819



35.1596, 49.2457, 50.0365



11.5606, 11.3530, 13.4869



19.2799, 9.5226, 19.7246



1.0242, 0.5031, 1.1733

Previews

White Background



This preview shows how the XYZ color 37.6891, 25.5545, 45.0656 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 37.6891, 25.5545, 45.0656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

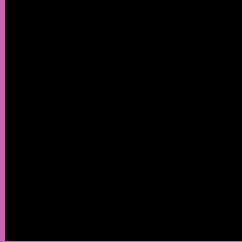
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.6891, 25.5545, 45.0656

Background



This preview shows how black text looks on a background with the XYZ color 37.6891, 25.5545, 45.0656.



This preview shows how white text looks on a background with the XYZ color 37.6891, 25.5545,

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

37.6891, 25.5545, 45.0656

Protanopia

27.0472, 25.9640, 60.7127

Deuteranopia

26.2422, 25.7378, 42.6145



Tritanopia

32.8812, 25.4705, 21.9222

Trichromacy



Original Color

37.6891, 25.5545, 45.0656



Protanomaly

29.2707, 24.6513, 54.8452



Deuteranomaly

29.3448, 24.9449, 43.3126



Tritanomaly

34.3533, 25.4144, 29.0815

Monochromacy



Original Color

37.6891, 25.5545, 45.0656



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

28.7319, 25.4044, 33.9610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6891, 25.5545, 45.0656 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(204, 102, 178)` looks like.

```
.text, #text, p{  
    color:rgb(204, 102, 178)  
}
```

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(204, 102, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 102, 178) }
```

Border

The CSS property to change the border of an element to XYZ 37.6891, 25.5545, 45.0656 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(204, 102, 178) }
```


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

```
.border{ border-color:rgb(204, 102, 178) }
```

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

Here you see how a box with a 4 pixel rgb(204, 102, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 102, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 102, 178);  
box-shadow:4px 4px 4px 4px rgb(204, 102,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6891, 25.5545, 45.0656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 102, 178) }
```

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

```
.background{ background-color: rgb(204,  
102, 178) }
```

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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