

Converting Colors

XYZ(37.7564, 27.0672, 35.1473)

Have a look what the booklet for
XYZ(37.7564, 27.0672, 35.1473)
contains.

XYZ(37.6742, 26.9961, 35.1234)	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(37.6742, 26.9961,
35.1234)**

Conversions

Conversions Part 1

Format	Color
Hex	D06E9D
RGB	208, 110, 157
RGB Percent	82%, 43%, 62%
CMY	0.1843, 0.5686, 0.3843
CMYK	0.00, 0.47, 0.25, 0.18
HSL	331°, 51%, 62%
HSV	331°, 47%, 82%
XYZ	37.6742, 26.9961, 35.1234
YIQ	144.6600, 43.3210, 35.3930

Conversions

Conversions Part 2

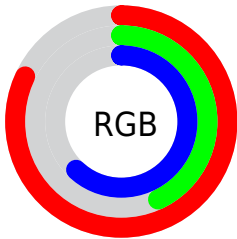
Format	Color
R _Y B	208, 110, 157
Decimal	13659805
CIE Lab	58.97, 44.14, -7.90
CIE LCh	59, 44.839, 349.846
Yxy	26.9961, 0.3775, 0.2705
Android (android.graphics.Color)	4291849885 (0xFFD06E9D)
YUV	144.6600, 6.0836, 55.5492
Hunter-Lab	51.9578, 38.5029, -3.7095

Details

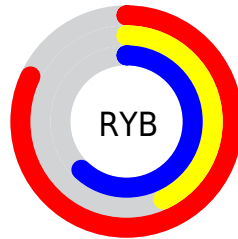
The XYZ color **37.6742, 26.9961, 35.1234** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **35.4206, 51.0008, 41.6981**, and the grayscale version is **26.7404, 28.1330, 30.6368**.

A 20% lighter version of the original color is **66.3991, 52.5644, 68.9337**, and **16.8771, 10.6460, 14.8010** is the 20% darker color. If you saturate the color by 10%, you get **34.8041, 22.6698, 29.8071**, and if you desaturate by 10%, it is **41.1545, 32.4111, 41.0476**.

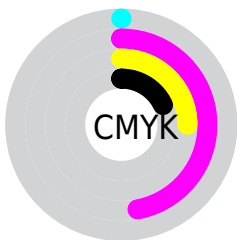
Distribution



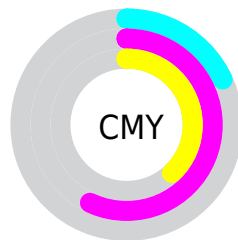
- Red (82%)
- Green (43%)
- Blue (62%)



- Red (82%)
- Yellow (43%)
- Blue (62%)



- Cyan (0%)
- Magenta (47%)
- Yellow (25%)
- Black (18%)





- Cyan (18%)
- Magenta (57%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6742, 26.9961, 35.1234 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 37.6742, 26.9961, 35.1234 by changing the saturation by 10% instead.


 37.6742, 26.9961,
35.1234


 37.6742, 26.9961,
35.1234

327.5254,
287.6382, 340.0335


 25.9060, 17.5703,
23.4736


 70.9156, 54.8776,
68.8306


 16.8856, 10.6419,
14.7350


 93.1195, 74.1021,
91.7252

 10.2478, 5.8266,
8.4891

 119.5327, 97.3616,
119.2051

 5.6271, 2.7399,
4.3172

 150.5206,
125.0405, 151.6888

 2.6582, 0.9975,
1.8009

186.4484,
157.5233, 189.5950

 0.9757, 0.0000,
0.4286

227.6816,

 0.0000, 0.0000,

195.1942, 233.3421

0.0000

274.5854,
238.4377, 283.3488

■ 37.6742, 26.9961,
35.1234

■ 37.6742, 26.9961,
35.1234

■ 34.8041, 22.6698,
29.8071

■ 41.1545, 32.4111,
41.0476

■ 32.5022, 19.3526,
25.0737

■ 45.2783, 38.9793,
47.6002

■ 30.7249, 16.9603,
20.8978


■ 50.0795, 46.7646,
54.8024


■ 29.4203, 15.3930,
17.2509


■ 55.5886, 55.8252,
62.6737


■ 28.5197, 14.5171,
14.0981


■ 61.8343, 66.2156,
71.2327

 28.3007, 14.3252,
13.2667

 68.8437, 77.9869,
80.4974

 76.4486, 90.8004,
90.4202

 78.0412, 91.4374,
98.8068

 79.7303, 92.1131,
107.7016

Harmonies

Analogous

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



34.7191, 26.9961, 53.8613



37.6742, 26.9961, 35.1234



37.0740, 26.9961, 20.1840

Triad

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



37.6742, 26.9961, 35.1234



22.2009, 26.9961, 8.9883



19.3693, 26.9961, 59.5213

Complementary

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



37.6742, 26.9961, 35.1234



35.4206, 51.0008, 41.6981

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.



16.8665, 26.9961, 41.0504



37.6742, 26.9961, 35.1234



18.3304, 26.9961, 13.7520

Square

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



37.6742, 26.9961, 35.1234



27.5884, 26.9961, 8.3947



16.5158, 26.9961, 24.3245



23.8217, 26.9961, 70.9568

Rectangle

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



37.6742, 26.9961, 35.1234



34.7642, 26.9961, 13.8279



16.5158, 26.9961, 24.3245



18.3010, 26.9961, 53.6731

Sweetspot

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



37.6750, 26.9974, 35.1239



81.8514, 78.1603, 90.4500



31.5865, 23.2465, 62.4971



17.1283, 16.0886, 18.7927



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.



37.6750, 26.9974, 35.1239



54.9509, 35.6055, 46.8126



34.5818, 26.0447, 17.9580



12.0415, 11.9013, 13.4942



17.6868, 8.9476, 8.5227



1.0289, 0.5163, 0.6872

Inverse Universe

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



37.6750, 26.9974, 35.1239



54.9509, 35.6055, 46.8126



39.9762, 52.1891, 67.6414



12.0415, 11.9013, 13.4942



17.6868, 8.9476, 8.5227



1.0289, 0.5163, 0.6872

Previews

White Background



This preview shows how the XYZ color 37.6742, 26.9961, 35.1234 looks on a white background.

Color Contrast Check

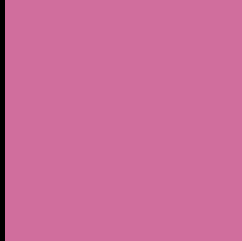
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.6742, 26.9961, 35.1234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

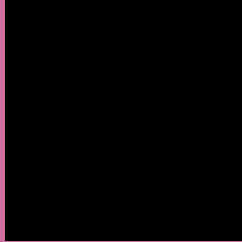
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.6742, 26.9961, 35.1234

Background



This preview shows how black text looks on a background with the XYZ color 37.6742, 26.9961, 35.1234.



This preview shows how white text looks on a background with the XYZ color 37.6742, 26.9961,

35.1234.

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

37.6742, 26.9961, 35.1234

Protanopia

27.2922, 27.2924, 45.4245

Deuteranopia

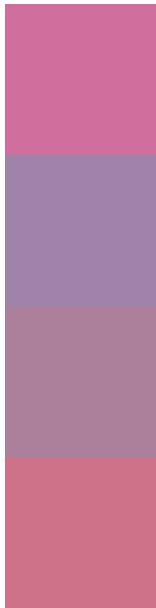
27.7049, 27.1194, 33.4801



Tritanopia

35.1239, 26.9506, 22.7528

Trichromacy



Original Color

37.6742, 26.9961, 35.1234

Protanomaly

29.9363, 26.4446, 41.5567

Deuteranomaly

30.5652, 26.5421, 34.0840

Tritanomaly

35.9863, 26.9626, 26.9745

Monochromacy



Original Color

37.6742, 26.9961, 35.1234

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

29.8245, 26.9973, 32.0728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6742, 26.9961, 35.1234 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(208, 110, 157)` looks like.

```
.text, #text, p{  
    color:rgb(208, 110, 157)  
}
```

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(208, 110, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 110, 157) }
```

Border

The CSS property to change the border of an element to XYZ 37.6742, 26.9961, 35.1234 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(208, 110, 157) }
```


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

```
.border{ border-color:rgb(208, 110, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 110, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 110, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 110, 157);  
box-shadow:4px 4px 4px 4px rgb(208, 110,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6742, 26.9961, 35.1234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 110, 157) }
```

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

```
.background{ background-color: rgb(208,  
110, 157) }
```

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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