

Converting Colors

XYZ(37.7984, 27.3657, 18.7858)

Have a look what the booklet for
XYZ(37.7984, 27.3657, 18.7858)
contains.

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Color

**XYZ(37.7700, 27.4042,
18.9216)**

Conversions

Conversions Part 1

Format	Color
Hex	DB6E71
RGB	219, 110, 113
RGB Percent	86%, 43%, 44%
CMY	0.1412, 0.5686, 0.5569
CMYK	0.00, 0.50, 0.48, 0.14
HSL	358°, 60%, 65%
HSV	358°, 50%, 86%
XYZ	37.7700, 27.4042, 18.9216
YIQ	142.9330, 64.0010, 24.0410

Conversions

Conversions Part 2

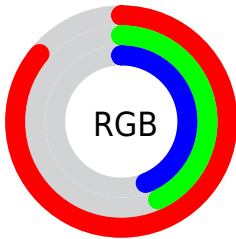
Format	Color
R_{YB}	219, 110, 113
Decimal	14380657
CIE _{Lab}	59.35, 42.83, 18.30
CIE _{LCh}	59, 46.574, 23.136
Yxy	27.4042, 0.4491, 0.3259
Android (android.graphics.Color)	4292570737 (0xFFDB6E71)
YUV	142.9330, -14.7570, 66.7108
Hunter-Lab	52.3490, 37.1776, 15.2139

Details

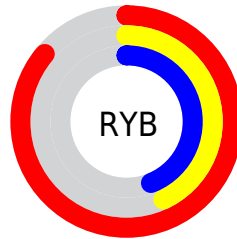
The XYZ color **37.7700, 27.4042, 18.9216** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **44.1581, 58.9365, 74.0182**, and the grayscale version is **26.1217, 27.4820, 29.9279**.

A 20% lighter version of the original color is **61.3070, 50.5275, 42.1189**, and **16.9644, 10.8813, 6.2072** is the 20% darker color. If you saturate the color by 10%, you get **34.6306, 22.8245, 12.6375**, and if you desaturate by 10%, it is **41.7760, 33.2669, 26.8831**.

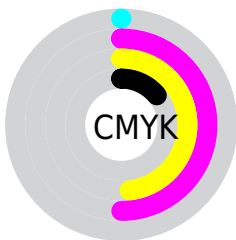
Distribution



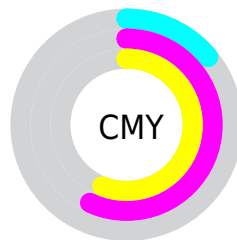
- Red (86%)
- Green (43%)
- Blue (44%)



- Red (86%)
- Yellow (43%)
- Blue (44%)



- Cyan (0%)
- Magenta (50%)
- Yellow (48%)
- Black (14%)





- Cyan (14%)
- Magenta (57%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7700, 27.4042, 18.9216 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 37.7700, 27.4042, 18.9216 by changing the saturation by 10% instead.


 37.7700, 27.4042,
18.9216


 37.7700, 27.4042,
18.9216


327.9302,
289.6089, 258.4239


 25.9806, 17.8770,
11.4374


 71.0616, 55.5318,
42.4365


 16.9418, 10.8617,
6.2440


 93.2946, 74.9010,
59.3043

 10.2880, 5.9739,
2.9228


 119.7395, 98.3197,
80.1371

 5.6541, 2.8292,
1.0554

 150.7617,
126.1722, 105.3533

 2.6745, 1.0432,
0.0000

186.7265,
158.8430, 135.3715

 0.9841, 0.0000,
0.0000

227.9993,

 0.0000, 0.0000,

196.7165, 170.6104

0.0000

274.9454,
240.1770, 211.4883

■ 37.7700, 27.4042,
18.9216

■ 37.7700, 27.4042,
18.9216

■ 34.6306, 22.8245,
12.6375

■ 41.7760, 33.2669,
26.8831

■ 32.2920, 19.4280,
7.9094

■ 46.7038, 40.4942,
36.6287

■ 30.6821, 17.1070,
4.6023


■ 52.6067, 49.1660,
48.2579


■ 29.7154, 15.7325,
2.5570


■ 59.5331, 59.3548,
61.8626

■ 29.2545, 15.0853,
1.5568

■ 67.5284, 71.1283,
77.5285

 29.2463, 15.0732,
1.5407

 76.6352, 84.5500,
95.3363

 83.0234, 93.8000,
108.3372

Harmonies

Analogous

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



38.8315, 27.4042, 33.8405



37.7700, 27.4042, 18.9216



33.3643, 27.4042, 10.8230

Triad

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



37.7700, 27.4042, 18.9216



18.0708, 27.4042, 14.4298



24.7305, 27.4042, 74.3879

Complementary

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



37.7700, 27.4042, 18.9216



44.1581, 58.9365, 74.0182

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.



19.8861, 27.4042, 63.5836



37.7700, 27.4042, 18.9216



16.4302, 27.4042, 26.1652

Square

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



37.7700, 27.4042, 18.9216



21.8873, 27.4042, 8.9872



17.0415, 27.4042, 44.3081



30.7026, 27.4042, 70.1484

Rectangle

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



37.7700, 27.4042, 18.9216



29.4347, 27.4042, 8.4583



17.0415, 27.4042, 44.3081



22.9295, 27.4042, 72.2934

Sweetspot

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



37.7707, 27.4056, 18.9221



78.6173, 75.8084, 76.6819



46.4950, 30.7704, 70.5064



16.3920, 15.5859, 15.5577



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.



37.7707, 27.4056, 18.9221



48.6035, 31.8076, 17.2688



44.7504, 41.6304, 20.4306



13.0705, 13.0573, 13.6323



17.3483, 8.9403, 0.9481



1.1291, 0.5813, 0.0889

Inverse Universe

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



37.7707, 27.4056, 18.9221



48.6035, 31.8076, 17.2688



33.2452, 36.4855, 72.3079



13.0705, 13.0573, 13.6323



17.3483, 8.9403, 0.9481



1.1291, 0.5813, 0.0889

Previews

White Background



This preview shows how the XYZ color 37.7700, 27.4042, 18.9216 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 37.7700, 27.4042, 18.9216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

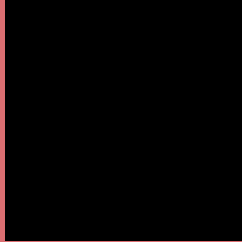
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.7700, 27.4042, 18.9216

Background



This preview shows how black text looks on a background with the XYZ color 37.7700, 27.4042, 18.9216.



This preview shows how white text looks on a background with the XYZ color 37.7700, 27.4042,

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

37.7700, 27.4042, 18.9216

Protanopia

26.1793, 27.6195, 24.7202

Deuteranopia

28.0146, 27.4090, 18.0013



Tritanopia

37.8929, 27.2817, 20.0983

Trichromacy



Original Color

37.7700, 27.4042, 18.9216

Protanomaly

29.1470, 26.6613, 22.3488

Deuteranomaly

30.8974, 26.8693, 18.3097

Tritanomaly

37.8344, 27.2583, 19.7903

Monochromacy



Original Color

37.7700, 27.4042, 18.9216

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

29.0757, 26.5565, 25.4232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7700, 27.4042, 18.9216 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(219, 110, 113)` looks like.

```
.text, #text, p{  
    color:rgb(219, 110, 113)  
}
```

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(219, 110, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 110, 113) }
```

Border

The CSS property to change the border of an element to XYZ 37.7700, 27.4042, 18.9216 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(219, 110, 113) }
```


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

```
.border{ border-color:rgb(219, 110, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 110, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 110, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 110, 113);  
box-shadow:4px 4px 4px 4px rgb(219, 110,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7700, 27.4042, 18.9216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 110, 113) }
```

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

```
.background{ background-color: rgb(219,  
110, 113) }
```

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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