

Converting Colors

XYZ(38.9146, 28.9703, 20.0641)

Have a look what the booklet for
XYZ(38.9146, 28.9703, 20.0641)
contains.

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Color

**XYZ(38.9130, 28.9674,
20.0633)**

Conversions

Conversions Part 1

Format	Color
Hex	DC7474
RGB	220, 116, 116
RGB Percent	86%, 45%, 45%
CMY	0.1373, 0.5451, 0.5451
CMYK	0.00, 0.47, 0.47, 0.14
HSL	0°, 60%, 66%
HSV	0°, 47%, 86%
XYZ	38.9130, 28.9674, 20.0633
YIQ	147.0960, 61.9840, 22.0480

Conversions

Conversions Part 2

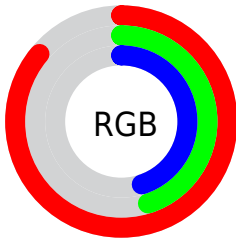
Format	Color
R _Y B	220, 116, 116
Decimal	14447732
CIE Lab	60.75, 40.44, 18.52
CIE LCh	61, 44.478, 24.611
Yxy	28.9674, 0.4425, 0.3294
Android (android.graphics.Color)	4292637812 (0xFFDC7474)
YUV	147.0960, -15.3303, 63.9368
Hunter-Lab	53.8214, 34.8686, 15.5731

Details

The XYZ color **38.9130, 28.9674, 20.0633** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **45.7125, 60.0636, 76.8942**, and the grayscale version is **27.8172, 29.2658, 31.8705**.

A 20% lighter version of the original color is **62.6826, 52.8366, 43.9405**, and **17.5747, 11.6612, 6.7934** is the 20% darker color. If you saturate the color by 10%, you get **35.5390, 24.0306, 13.3551**, and if you desaturate by 10%, it is **43.1919, 35.2291, 28.5685**.

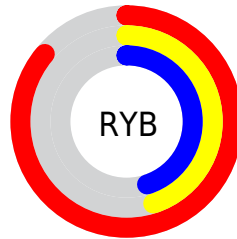
Distribution



Red (86%)

Green (45%)

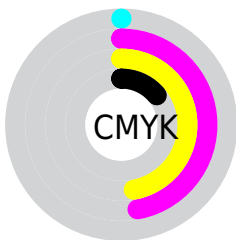
Blue (45%)



Red (86%)

Yellow (45%)

Blue (45%)

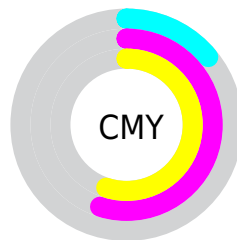


Cyan (0%)

Magenta (47%)

Yellow (47%)

Black (14%)



Cyan (14%)


Magenta (55%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9130, 28.9674, 20.0633 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 38.9130, 28.9674, 20.0633 by changing the saturation by 10% instead.


 38.9130, 28.9674,
20.0633


 38.9130, 28.9674,
20.0633


332.7340,
297.0611, 264.8732


 26.8725, 19.0562,
12.2565


 72.8003, 58.0253,
44.3837

 17.6136, 11.7109,
6.7940


 95.3778, 77.9407,
61.7343

 10.7709, 6.5471,
3.2571


 122.1983,
101.9597, 83.1034

 5.9792, 3.1805,
1.2274

153.6273,
130.4666, 108.9093

 2.8729, 1.2267,
0.0011

190.0299,
163.8457, 139.5707

 1.0869, 0.0833,
0.0000

231.7717,

 0.0141, 0.0000,

202.4816, 175.5062

0.0000

279.2180,
246.7586, 217.1341

■ 0.0000, 0.0000,
0.0000

■ 38.9130, 28.9674,
20.0633

■ 38.9130, 28.9674,
20.0633

■ 35.5390, 24.0306,
13.3551

■ 43.1919, 35.2291,
28.5685

■ 33.0028, 20.3194,
8.3136

■ 48.4319, 42.8968,
38.9853

■ 31.2319, 17.7280,
4.7935


■ 54.6873, 52.0501,
51.4207

■ 30.1403, 16.1305,
2.6236


■ 62.0076, 62.7618,
65.9733

■ 29.6133, 15.3593,
1.5762

■ 70.4392, 75.0996,
82.7352

 29.5153, 15.2159,
1.3813

 80.0257, 89.1273,
101.7930

 83.3251, 93.9556,
108.3513

Harmonies

Analogous

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



40.1342, 28.9674, 34.6227



38.9130, 28.9674, 20.0633



34.4774, 28.9674, 12.0687

Triad

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



38.9130, 28.9674, 20.0633



19.4356, 28.9674, 16.4749



26.5028, 28.9674, 74.9804

Complementary

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



38.9130, 28.9674, 20.0633



45.7125, 60.0636, 76.8942

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.



21.5893, 28.9674, 65.2212



38.9130, 28.9674, 20.0633



17.8907, 28.9674, 28.6470

Square

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



38.9130, 28.9674, 20.0633



23.1621, 28.9674, 10.5619



18.6204, 28.9674, 46.7257



32.4211, 28.9674, 70.1904

Rectangle

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



38.9130, 28.9674, 20.0633



30.5859, 28.9674, 9.7408



18.6204, 28.9674, 46.7257



24.6896, 28.9674, 73.2138

Sweetspot

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



38.9137, 28.9689, 20.0638



79.4761, 77.2110, 77.9395



48.6789, 32.8739, 71.4897



16.5556, 15.8598, 15.7767



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.



38.9137, 28.9689, 20.0638



49.5746, 33.4564, 18.4970



46.6703, 44.4820, 22.6493



13.0561, 13.0517, 13.5567



17.3223, 8.9301, 0.8107



1.1222, 0.5786, 0.0525

Inverse Universe

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



45.7125, 60.0636, 76.8942



60.1944, 82.0275, 107.2680



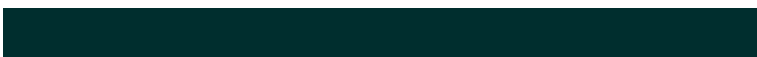
34.1235, 36.8857, 73.0312



13.4449, 14.8295, 16.8059



22.6001, 33.0697, 44.9303



1.4642, 2.1425, 2.9108

Previews

White Background



This preview shows how the XYZ color 38.9130, 28.9674, 20.0633 looks on a white background.

Color Contrast Check

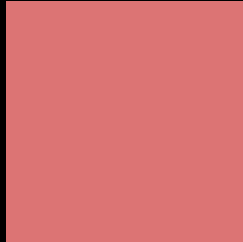
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.9130, 28.9674, 20.0633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

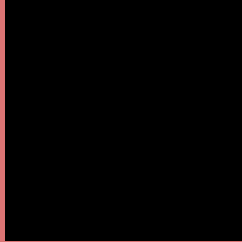
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.9130, 28.9674, 20.0633

Background



This preview shows how black text looks on a background with the XYZ color 38.9130, 28.9674, 20.0633.



This preview shows how white text looks on a background with the XYZ color 38.9130, 28.9674,

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

38.9130, 28.9674, 20.0633

Protanopia

27.6673, 29.2784, 25.6658

Deuteranopia

29.6831, 29.1038, 19.3824



Tritanopia

39.5247, 29.0637, 22.2656

Trichromacy



Original Color

38.9130, 28.9674, 20.0633

Protanomaly

30.7015, 28.4618, 23.6142

Deuteranomaly

32.4671, 28.6419, 19.4400

Tritanomaly

39.3397, 28.9897, 21.2914

Monochromacy



Original Color

38.9130, 28.9674, 20.0633

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

30.7037, 28.3846, 27.1531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9130, 28.9674, 20.0633 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(220, 116, 116)` looks like.

```
.text, #text, p{  
    color:rgb(220, 116, 116)  
}
```

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(220, 116, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 116, 116) }
```

Border

The CSS property to change the border of an element to XYZ 38.9130, 28.9674, 20.0633 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(220, 116, 116) }
```


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

```
.border{ border-color:rgb(220, 116, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 116, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 116, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 116, 116);  
box-shadow:4px 4px 4px 4px rgb(220, 116,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9130, 28.9674, 20.0633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 116, 116) }
```

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

```
.background{ background-color: rgb(220,  
116, 116) }
```

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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