

Converting Colors

XYZ(38.5727, 28.1233, 21.1815)

Have a look what the booklet for
XYZ(38.5727, 28.1233, 21.1815)
contains.

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Color

**XYZ(38.6995, 28.1601,
21.1650)**

Conversions

Conversions Part 1

Format	Color
Hex	DC7078
RGB	220, 112, 120
RGB Percent	86%, 44%, 47%
CMY	0.1373, 0.5608, 0.5294
CMYK	0.00, 0.49, 0.45, 0.14
HSL	356°, 61%, 65%
HSV	356°, 49%, 86%
XYZ	38.6995, 28.1601, 21.1650
YIQ	145.2040, 61.8000, 25.3840

Conversions

Conversions Part 2

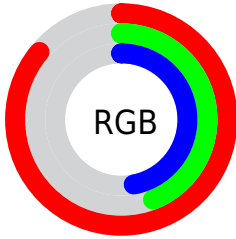
Format	Color
RYB	220, 112, 120
Decimal	14446712
CIELab	60.03, 42.86, 15.24
CIElCh	60, 45.488, 19.570
Yxy	28.1601, 0.4396, 0.3199
Android (android.graphics.Color)	4292636792 (0xFFDC7078)
YUV	145.2040, -12.4256, 65.5961
Hunter-Lab	53.0661, 37.3090, 13.4989

Details

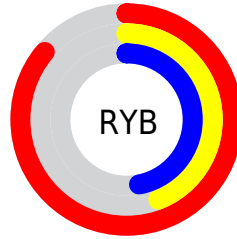
The XYZ color **38.6995, 28.1601, 21.1650** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **44.1605, 59.3851, 71.4263**, and the grayscale version is **27.0288, 28.4364, 30.9673**.

A 20% lighter version of the original color is **62.3226, 51.5110, 45.6876**, and **17.4835, 11.2767, 7.3860** is the 20% darker color. If you saturate the color by 10%, you get **35.4542, 23.4420, 14.6188**, and if you desaturate by 10%, it is **42.8023, 34.1722, 29.2950**.

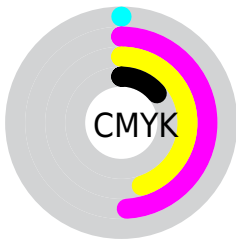
Distribution



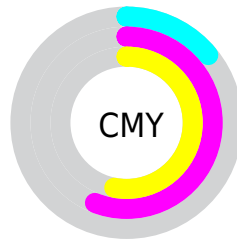
- Red (86%)
- Green (44%)
- Blue (47%)



- Red (86%)
- Yellow (44%)
- Blue (47%)



- Cyan (0%)
- Magenta (49%)
- Yellow (45%)
- Black (14%)




- Cyan (14%)
- Magenta (56%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6995, 28.1601, 21.1650 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 38.6995, 28.1601, 21.1650 by changing the saturation by 10% instead.


 38.6995, 28.1601,
21.1650


 38.6995, 28.1601,
21.1650

331.8404,
293.2311, 270.9639


 26.7057, 18.4464,
13.0522


 72.4760, 56.7399,
46.2463


 17.4878, 11.2709,
7.3334


 94.9895, 76.3749,
64.0520

 10.6803, 6.2494,
3.5899


 121.7402,
100.0856, 85.9257

 5.9180, 2.9973,
1.4032

 153.0936,
128.2567, 112.2860

 2.8355, 1.1303,
0.1442

189.4149,
161.2723, 143.5514

 1.0674, 0.0037,
0.0000

231.0696,

 0.0000, 0.0000,

199.5170, 180.1405

0.0000

278.4230,
243.3752, 222.4718

■ 38.6995, 28.1601,
21.1650

■ 38.6995, 28.1601,
21.1650

■ 35.4542, 23.4420,
14.6188

■ 42.8023, 34.1722,
29.2950

■ 33.0033, 19.9190,
9.5517

■ 47.8151, 41.5590,
39.1014

■ 31.2788, 17.4847,
5.8485


■ 53.7892, 50.4001,
50.6713


■ 30.2001, 16.0124,
3.3765


■ 60.7709, 60.7673,
64.0853

■ 29.6472, 15.3033,
1.9697

■ 68.8040, 72.7281,
79.4193

 29.6107, 15.2538,
1.8851

 77.9294, 86.3457,
96.7445

 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.



39.2902, 28.1601, 36.8105



38.6995, 28.1601, 21.1650



34.6631, 28.1601, 12.2180

Triad

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



38.6995, 28.1601, 21.1650



19.1467, 28.1601, 14.2708



24.7980, 28.1601, 73.9827

Complementary

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



38.6995, 28.1601, 21.1650



44.1605, 59.3851, 71.4263

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.



20.1687, 28.1601, 61.9394



38.6995, 28.1601, 21.1650



17.2328, 28.1601, 25.2386

Square

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



38.6995, 28.1601, 21.1650



23.2032, 28.1601, 9.3485



17.5778, 28.1601, 42.6433



30.6746, 28.1601, 71.6398

Rectangle

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



38.6995, 28.1601, 21.1650



30.8471, 28.1601, 9.4230



17.5778, 28.1601, 42.6433



23.0605, 28.1601, 71.3515

Sweetspot

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



38.7002, 28.1616, 21.1655



78.8513, 75.9021, 77.9144



45.5772, 30.6061, 71.2152



16.4474, 15.6080, 15.8494



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.



38.7002, 28.1616, 21.1655



49.3800, 32.5254, 20.1029



44.4977, 40.5009, 20.8035



13.0949, 13.0671, 13.7613



17.3938, 8.9585, 1.1876



1.1408, 0.5860, 0.1505

Inverse Universe

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



38.7002, 28.1616, 21.1655



49.3800, 32.5254, 20.1029



34.9317, 39.2735, 73.4493



13.0949, 13.0671, 13.7613



17.3938, 8.9585, 1.1876



1.1408, 0.5860, 0.1505

Previews

White Background



This preview shows how the XYZ color 38.6995, 28.1601, 21.1650 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 38.6995, 28.1601, 21.1650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

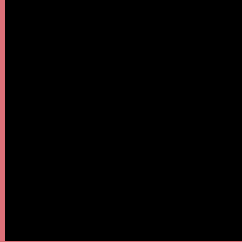
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.6995, 28.1601, 21.1650

Background



This preview shows how black text looks on a background with the XYZ color 38.6995, 28.1601, 21.1650.



This preview shows how white text looks on a background with the XYZ color 38.6995, 28.1601,

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

38.6995, 28.1601, 21.1650

Protanopia

27.2184, 28.5410, 27.7413

Deuteranopia

28.6893, 28.1381, 20.1388



Tritanopia

38.6995, 28.1601, 21.1650

Trichromacy



Original Color

38.6995, 28.1601, 21.1650

Protanomaly

30.1635, 27.5277, 25.1963

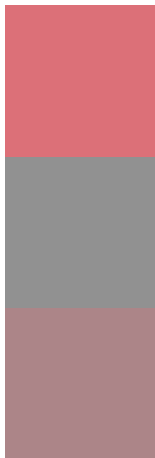
Deuteranomaly

31.8002, 27.6762, 20.4956

Tritanomaly

38.6995, 28.1601, 21.1650

Monochromacy



Original Color

38.6995, 28.1601, 21.1650

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

29.8447, 27.3233, 26.9935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6995, 28.1601, 21.1650 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, 112, 120)` looks like.

```
.text, #text, p{  
    color:rgb(220, 112, 120)  
}
```

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, 112, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 112, 120) }
```

Border

The CSS property to change the border of an element to XYZ 38.6995, 28.1601, 21.1650 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, 112, 120) }
```


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

```
.border{ border-color:rgb(220, 112, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 112, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 112, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 112, 120);  
box-shadow:4px 4px 4px 4px rgb(220, 112,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6995, 28.1601, 21.1650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 112, 120) }
```

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

```
.background{ background-color: rgb(220,  
112, 120) }
```

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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