

# Converting Colors

XYZ(38.2528, 27.5576, 21.1532)

Have a look what the booklet for  
XYZ(38.2528, 27.5576, 21.1532)  
contains.

<b>XYZ(38.1795, 27.5680, 21.0782)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(38.1795, 27.5680,  
21.0782)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DB6E78
RGB	219, 110, 120
RGB Percent	86%, 43%, 47%
CMY	0.1412, 0.5686, 0.5294
CMYK	0.00, 0.50, 0.45, 0.14
HSL	354°, 60%, 65%
HSV	354°, 50%, 86%
XYZ	38.1795, 27.5680, 21.0782
YIQ	143.7310, 61.7540, 26.2180

# Conversions

## Conversions Part 2

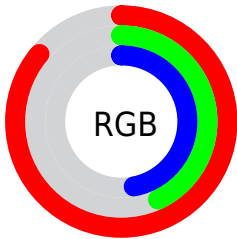
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	219, 110, 120
Decimal	14380664
CIE <sub>Lab</sub>	59.50, 43.51, 14.47
CIE <sub>LCh</sub>	59, 45.849, 18.396
Yxy	27.5680, 0.4397, 0.3175
Android (android.graphics.Color)	4292570744 (0xFFDB6E78)
YUV	143.7310, -11.6994, 66.0109
Hunter-Lab	52.5052, 37.9132, 12.9517

# Details

The XYZ color **38.1795, 27.5680, 21.0782** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **43.2720, 58.5820, 69.3520**, and the grayscale version is **26.4301, 27.8065, 30.2813**.

A 20% lighter version of the original color is **61.9619, 50.7895, 45.5673**, and **17.1800, 10.9676, 7.3424** is the 20% darker color. If you saturate the color by 10%, you get **35.0174, 22.9792, 14.6741**, and if you desaturate by 10%, it is **42.1777, 33.4276, 28.9987**.

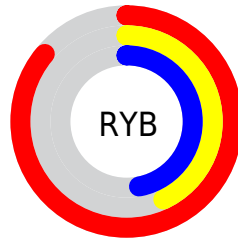
# Distribution



Red (86%)

Green (43%)

Blue (47%)



Red (86%)

Yellow (43%)

Blue (47%)

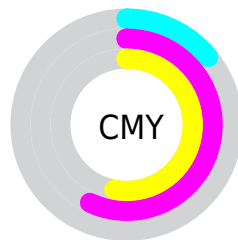


Cyan (0%)

Magenta (50%)

Yellow (45%)

Black (14%)



Cyan (14%)

Magenta (57%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1795, 27.5680, 21.0782 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 38.1795, 27.5680, 21.0782 by changing the saturation by 10% instead.





 38.1795, 27.5680,  
21.0782


 38.1795, 27.5680,  
21.0782


329.6569,  
290.3969, 270.4885


 26.2999, 18.0003,  
12.9894


 71.6853, 55.7940,  
46.1001


 17.1820, 10.9502,  
7.2906


 94.0422, 75.2210,  
63.8703

 10.4604, 6.0333,  
3.5633


 120.6222, 98.7033,  
85.7047

 5.7699, 2.8654,  
1.3890

 151.7908,  
126.6252, 112.0218

 2.7450, 1.0619,  
0.1331

187.9131,  
159.3711, 143.2402

 1.0204, 0.0000,  
0.0000

229.3547,

 0.0000, 0.0000,

197.3254, 179.7784

0.0000

276.4809,  
240.8725, 222.0550

■ 38.1795, 27.5680,  
21.0782

■ 38.1795, 27.5680,  
21.0782

■ 35.0174, 22.9792,  
14.6741

■ 42.1777, 33.4276,  
28.9987

■ 32.6297, 19.5631,  
9.6878

■ 47.0634, 40.6380,  
38.5224

■ 30.9497, 17.2140,  
6.0116


■ 52.8865, 49.2779,  
49.7316

■ 29.8985, 15.8057,  
3.5213


■ 59.6925, 59.4186,  
62.7022

■ 29.3500, 15.1235,  
2.0596

■ 67.5241, 71.1265,  
77.5058

 29.3403, 15.1108,  
2.0359

 76.4212, 84.4644,  
94.2097

 83.0233, 93.8000,  
108.3372

# Harmonies

## Analogous

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



38.6177, 27.5680, 36.8594



38.1795, 27.5680, 21.0782



34.2656, 27.5680, 11.9974

# Triad

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



38.1795, 27.5680, 21.0782



18.7628, 27.5680, 13.4979



24.0374, 27.5680, 73.0409

# Complementary

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



38.1795, 27.5680, 21.0782



43.2720, 58.5820, 69.3520

# 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.



19.5153, 27.5680, 60.5303



38.1795, 27.5680, 21.0782



16.7820, 27.5680, 24.0783

# Square

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



38.1795, 27.5680, 21.0782



22.8604, 27.5680, 8.8579



17.0357, 27.5680, 41.1810



29.8555, 27.5680, 71.2952



# Rectangle

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



38.1795, 27.5680, 21.0782



30.4955, 27.5680, 9.1298



17.0357, 27.5680, 41.1810



22.3327, 27.5680, 70.2198

# Sweetspot

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



38.1802, 27.5694, 21.0787



78.9408, 75.9379, 78.3858



44.4035, 29.6922, 70.4085



16.4686, 15.6165, 15.9611



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.



38.1802, 27.5694, 21.0787



49.1455, 32.0244, 20.1230



43.5185, 39.1666, 20.0200



13.1043, 13.0708, 13.8104



17.4150, 8.9670, 1.2992



1.1453, 0.5877, 0.1739



# Inverse Universe

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



38.1802, 27.5694, 21.0787



49.1455, 32.0244, 20.1230



34.6258, 39.2468, 72.7680



13.1043, 13.0708, 13.8104



17.4150, 8.9670, 1.2992



1.1453, 0.5877, 0.1739



# Previews

## White Background



This preview shows how the XYZ color 38.1795, 27.5680, 21.0782 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

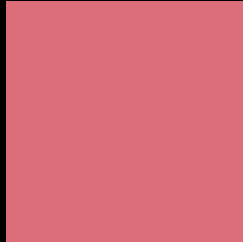
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.1795, 27.5680, 21.0782 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 38.1795, 27.5680, 21.0782**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.1795, 27.5680, 21.0782.



This preview shows how white text looks on a background with the XYZ color 38.1795, 27.5680,



# 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

38.1795, 27.5680, 21.0782

### Protanopia

26.5506, 27.7470, 27.6232

### Deuteranopia

28.1193, 27.6303, 20.0708



## Tritanopia

38.0594, 27.5199, 20.4455

# Trichromacy



## Original Color

38.1795, 27.5680, 21.0782

## Protanomaly

29.6686, 26.8700, 25.0954

## Deuteranomaly

31.1798, 27.1618, 20.4290

## Tritanomaly

38.1191, 27.5438, 20.7602

# Monochromacy



## Original Color

38.1795, 27.5680, 21.0782

## Achromatopsia

26.5089, 27.8894, 30.3716

## Achromatomaly

29.4190, 26.9097, 26.5652

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.1795, 27.5680, 21.0782 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, 120)` looks like.

```
.text, #text, p{  
    color:rgb(219, 110, 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(219, 110, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 110, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 38.1795, 27.5680, 21.0782 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, 120) }
```



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

```
.border{ border-color:rgb(219, 110, 120) }
```

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, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 110, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 110, 120);  
box-shadow:4px 4px 4px 4px rgb(219, 110,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.1795, 27.5680, 21.0782 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, 120) }
```

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

```
.background{ background-color: rgb(219,  
110, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor