

Converting Colors

XYZ(38.0162, 21.8603, 28.0762)

Have a look what the booklet for
XYZ(38.0162, 21.8603, 28.0762)
contains.

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Color

**XYZ(37.8996, 21.7713,
28.1914)**

Conversions

Conversions Part 1

Format	Color
Hex	E1418F
RGB	225, 65, 143
RGB Percent	88%, 25%, 56%
CMY	0.1176, 0.7451, 0.4392
CMYK	0.00, 0.71, 0.36, 0.12
HSL	331°, 73%, 57%
HSV	331°, 71%, 88%
XYZ	37.8996, 21.7713, 28.1914
YIQ	121.7320, 70.3220, 58.1780

Conversions

Conversions Part 2

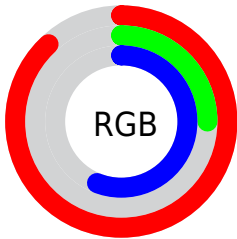
Format	Color
R _Y B	225, 65, 143
Decimal	14762383
CIE Lab	53.78, 67.23, -7.16
CIE LCh	54, 67.607, 353.924
Yxy	21.7713, 0.4314, 0.2478
Android (android.graphics.Color)	4292952463 (0xFFE1418F)
YUV	121.7320, 10.4851, 90.5660
Hunter-Lab	46.6597, 63.3330, -3.1607

Details

The XYZ color **37.8996, 21.7713, 28.1914** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle muted rose. A complement of this color would be **34.3731, 57.0816, 36.8138**, and the grayscale version is **18.3635, 19.3199, 21.0393**.

A 20% lighter version of the original color is **58.6517, 39.9584, 57.4448**, and **17.4928, 8.7896, 11.1305** is the 20% darker color. If you saturate the color by 10%, you get **36.0261, 19.3513, 23.4760**, and if you desaturate by 10%, it is **40.3782, 25.2577, 33.5519**.

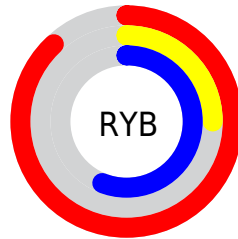
Distribution



Red (88%)

Green (25%)

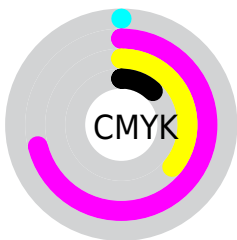
Blue (56%)



Red (88%)

Yellow (25%)

Blue (56%)

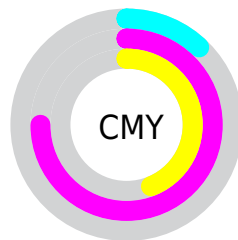


Cyan (0%)

Magenta (71%)

Yellow (36%)

Black (12%)



Cyan (12%)


Magenta (75%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8996, 21.7713, 28.1914 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 37.8996, 21.7713, 28.1914 by changing the saturation by 10% instead.

 37.8996, 21.7713,
28.1914


 37.8996, 21.7713,
28.1914

328.4774,
261.3496, 307.3210


 26.0816, 13.6890,
18.2297


 71.2591, 46.3677,
57.8167


 17.0177, 7.9046,
10.9439


 93.5314, 63.6506,
78.3173


 10.3425, 4.0340,
5.9154


 120.0191, 84.7690,
103.1679

 5.6906, 1.6926,
2.7258

 151.0877,
110.1075, 132.7872

 2.6968, 0.4189,
0.9564

 187.1024,
140.0505, 167.5936

 0.9955, 0.0000,
0.0000

228.4287,

 0.0000, 0.0000,

174.9822, 208.0057

0.0000

275.4319,
215.2871, 254.4420

■ 37.8996, 21.7713,
28.1914

■ 37.8996, 21.7713,
28.1914

■ 36.0261, 19.3513,
23.4760

■ 40.3782, 25.2577,
33.5519

■ 34.6881, 17.8628,
19.3688


■ 43.5172, 29.9171,
39.5883


■ 33.8485, 17.1264,
16.1827


■ 47.3674, 35.8469,
46.3299


■ 51.9736, 43.1332,
53.8033

■ 57.3771, 51.8547,
62.0338

 63.6159, 62.0839,
71.0448

 70.7254, 73.8882,
80.8590

 78.7392, 87.3313,
91.4977

 83.5671, 94.2299,
101.6077

Harmonies

Analogous

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



34.1430, 21.7713, 55.8808



37.8996, 21.7713, 28.1914



36.2470, 21.7713, 10.9124

Triad

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



37.8996, 21.7713, 28.1914



15.5347, 21.7713, 2.7274



13.5161, 21.7713, 72.8913

Complementary

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



37.8996, 21.7713, 28.1914



34.3731, 57.0816, 36.8138

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.



10.3797, 21.7713, 43.8833



37.8996, 21.7713, 28.1914



11.3402, 21.7713, 7.1015

Square

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



37.8996, 21.7713, 28.1914



22.2052, 21.7713, 2.0366



9.6883, 21.7713, 19.7222



19.2510, 21.7713, 89.7788

Rectangle

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



37.8996, 21.7713, 28.1914



32.4575, 21.7713, 5.3860



9.6883, 21.7713, 19.7222



12.1823, 21.7713, 63.6354

Sweetspot

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



37.9002, 21.7725, 28.1918



76.1735, 68.8201, 82.3435



27.1594, 15.2382, 72.7441



15.8540, 13.9993, 16.9526



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.



37.9002, 21.7725, 28.1918



46.9683, 24.6731, 28.6362



33.8967, 20.1711, 7.1094



13.9843, 13.8113, 15.6873



19.5637, 9.8925, 9.6340



1.4012, 0.7037, 0.9055

Inverse Universe

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



37.9002, 21.7725, 28.1918



46.9683, 24.6731, 28.6362



42.6965, 60.4109, 80.6444



13.9843, 13.8113, 15.6873



19.5637, 9.8925, 9.6340



1.4012, 0.7037, 0.9055

Previews

White Background



This preview shows how the XYZ color 37.8996, 21.7713, 28.1914 looks on a white background.

Color Contrast Check

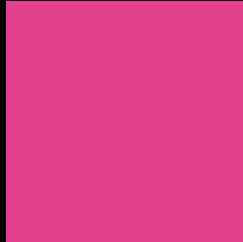
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.8996, 21.7713, 28.1914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

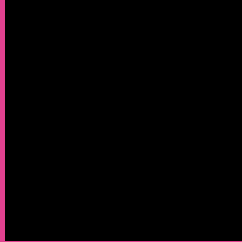
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.8996, 21.7713, 28.1914

Background



This preview shows how black text looks on a background with the XYZ color 37.8996, 21.7713, 28.1914.



This preview shows how white text looks on a background with the XYZ color 37.8996, 21.7713,

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

37.8996, 21.7713, 28.1914

Protanopia

22.7966, 22.0189, 48.3960

Deuteranopia

22.3543, 21.9055, 25.9717



Tritanopia

34.3271, 21.7654, 10.9862

Trichromacy



Original Color

37.8996, 21.7713, 28.1914



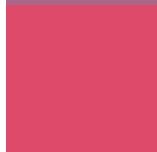
Protanomaly

25.0606, 19.4406, 39.9677



Deuteranomaly

26.0153, 20.0815, 26.5497



Tritanomaly

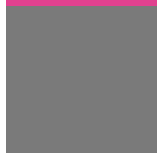
35.2418, 21.6024, 15.9479

Monochromacy



Original Color

37.8996, 21.7713, 28.1914



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

22.9810, 18.2900, 23.4382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8996, 21.7713, 28.1914 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(225, 65, 143)` looks like.

```
.text, #text, p{  
    color:rgb(225, 65, 143)  
}
```

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(225, 65, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 65, 143) }
```

Border

The CSS property to change the border of an element to XYZ 37.8996, 21.7713, 28.1914 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(225, 65, 143) }
```


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

```
.border{ border-color:rgb(225, 65, 143) }
```

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

Here you see how a box with a 4 pixel rgb(225, 65, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 65, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 65, 143);  
box-shadow:4px 4px 4px 4px rgb(225, 65,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8996, 21.7713, 28.1914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 65, 143) }
```

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

```
.background{ background-color: rgb(225, 65,  
143) }
```

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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