

Converting Colors

XYZ(37.2417, 18.9840, 21.6742)

Have a look what the booklet for
XYZ(37.2417, 18.9840, 21.6742)
contains.

XYZ(37.2665, 19.0022, 21.7823)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.2665, 19.0022,
21.7823)**

Conversions

Conversions Part 1

Format	Color
Hex	E80E7F
RGB	232, 14, 127
RGB Percent	91%, 5%, 50%
CMY	0.0902, 0.9449, 0.5020
CMYK	0.00, 0.94, 0.45, 0.09
HSL	329°, 89%, 48%
HSV	329°, 94%, 91%
XYZ	37.2665, 19.0022, 21.7823
YIQ	92.0640, 93.6550, 81.3590

Conversions

Conversions Part 2

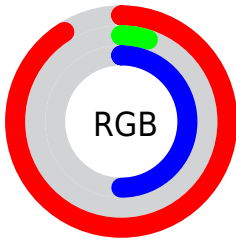
Format	Color
R_{YB}	232, 14, 127
Decimal	15208063
CIE _{Lab}	50.69, 78.50, -1.99
CIE _{LCh}	51, 78.526, 358.549
Yxy	19.0022, 0.4775, 0.2435
Android (android.graphics.Color)	4293398143 (0xFFE80E7F)
YUV	92.0640, 17.2234, 122.7239
Hunter-Lab	43.5915, 76.3150, 0.8874

Details

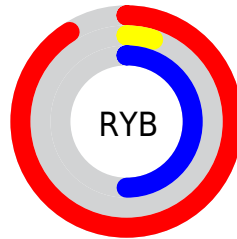
The XYZ color **37.2665, 19.0022, 21.7823** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **32.3707, 59.1397, 27.1753**, and the grayscale version is **10.1393, 10.6674, 11.6168**.

A 20% lighter version of the original color is **53.8459, 33.2907, 46.7678**, and **17.9527, 9.0961, 8.0172** is the 20% darker color. If you saturate the color by 10%, you get **36.6831, 18.5175, 19.4850**, and if you desaturate by 10%, it is **38.5480, 20.3342, 26.0051**.

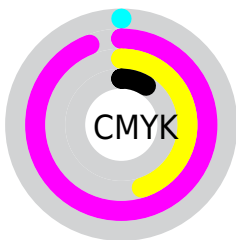
Distribution



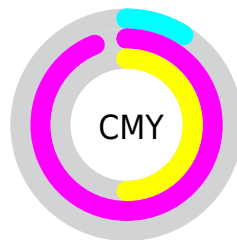
- Red (91%)
- Green (5%)
- Blue (50%)



- Red (91%)
- Yellow (5%)
- Blue (50%)



- Cyan (0%)
- Magenta (94%)
- Yellow (45%)
- Black (9%)



- Cyan (9%)
- Magenta (94%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2665, 19.0022, 21.7823 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 37.2665, 19.0022, 21.7823 by changing the saturation by 10% instead.

 37.2665, 19.0022,
21.7823


 37.2665, 19.0022,
21.7823

325.7984,
246.4609, 274.3236


 25.5885, 11.6719,
13.5002


 70.2936, 41.7378,
47.2835


 16.6471, 6.5207,
7.6391


 92.3735, 57.9119,
65.3397


 10.0770, 3.1642,
3.7805


 118.6514, 77.8027,
87.4910

 5.5127, 1.2180,
1.5057

 149.4927,
101.7945, 114.1560

 2.5889, 0.0764,
0.2222

 185.2626,
130.2719, 145.7533

 0.9403, 0.0000,
0.0000

 226.3267,

 0.0000, 0.0000,

163.6192, 182.7012

0.0000

273.0502,
202.2207, 225.4185

■ 37.2665, 19.0022,
21.7823

■ 37.2665, 19.0022,
21.7823

■ 36.6831, 18.5175,
19.4850

■ 38.5480, 20.3342,
26.0051

■ 40.3709, 22.6154,
30.8193

■ 42.8129, 25.9978,
36.2628

■ 45.9382, 30.6058,
42.3683

■ 49.8020, 36.5466,
49.1651

■ 54.4540, 43.9156,
56.6803

■ 59.9389, 52.7997,
64.9391

■ 66.2984, 63.2784,
73.9651

■ 73.5709, 75.4260,
83.7808

Harmonies

Analogous

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



33.8592, 19.0022, 51.6260



37.2665, 19.0022, 21.7823



34.4323, 19.0022, 6.3241

Triad

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



37.2665, 19.0022, 21.7823



11.8705, 19.0022, 1.3251



11.3865, 19.0022, 82.0132

Complementary

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



37.2665, 19.0022, 21.7823



32.3707, 59.1397, 27.1753

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.



7.9296, 19.0022, 48.2805



37.2665, 19.0022, 21.7823



8.1481, 19.0022, 5.5174

Square

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



37.2665, 19.0022, 21.7823



18.4384, 19.0022, 0.6219



6.9372, 19.0022, 19.6352



17.6888, 19.0022, 98.5829

Rectangle

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



37.2665, 19.0022, 21.7823



29.7381, 19.0022, 2.4063



6.9372, 19.0022, 19.6352



9.9278, 19.0022, 71.5015

Sweetspot

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



37.2670, 19.0033, 21.7826



71.2959, 60.5744, 76.0642



21.8932, 9.8378, 77.0887



14.6427, 11.9680, 15.3426



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.



37.2670, 19.0033, 21.7826



45.4155, 22.9302, 23.9177



33.5745, 17.5263, 2.3379



14.6873, 14.4921, 16.5539



20.4291, 10.3059, 11.1546



1.5565, 0.7803, 1.0713

Inverse Universe

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



37.2670, 19.0033, 21.7826



45.4155, 22.9302, 23.9177



42.5927, 63.2285, 81.0039



14.6873, 14.4921, 16.5539



20.4291, 10.3059, 11.1546



1.5565, 0.7803, 1.0713

Previews

White Background



This preview shows how the XYZ color 37.2665, 19.0022, 21.7823 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 37.2665, 19.0022, 21.7823 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 37.2665, 19.0022, 21.7823

Background



This preview shows how black text looks on a background with the XYZ color 37.2665, 19.0022, 21.7823.



This preview shows how white text looks on a background with the XYZ color 37.2665, 19.0022,

21.7823.

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

37.2665, 19.0022, 21.7823

Protanopia

20.5268, 19.5770, 46.9528

Deuteranopia

19.6810, 19.3921, 19.5354



Tritanopia

33.8427, 19.1979, 5.1707

Trichromacy



Original Color

37.2665, 19.0022, 21.7823



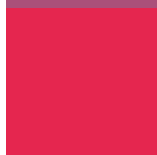
Protanomaly

21.8584, 14.8831, 35.9031



Deuteranomaly

22.8974, 15.6638, 19.9058



Tritanomaly

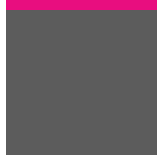
34.4175, 18.6088, 9.1750

Monochromacy



Original Color

37.2665, 19.0022, 21.7823



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

15.7109, 10.5264, 14.5683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2665, 19.0022, 21.7823 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(232, 14, 127)` looks like.

```
.text, #text, p{  
    color:rgb(232, 14, 127)  
}
```

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(232, 14, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 14, 127) }
```

Border

The CSS property to change the border of an element to XYZ 37.2665, 19.0022, 21.7823 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(232, 14, 127) }
```


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

```
.border{ border-color:rgb(232, 14, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 14, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 14, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 14, 127);  
box-shadow:4px 4px 4px 4px rgb(232, 14,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2665, 19.0022, 21.7823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 14, 127) }
```

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

```
.background{ background-color: rgb(232, 14,  
127) }
```

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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