

Converting Colors

XYZ(36.8649, 20.1056, 14.7077)

Have a look what the booklet for
XYZ(36.8649, 20.1056, 14.7077)
contains.

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Color

**XYZ(36.9908, 20.1797,
14.7774)**

Conversions

Conversions Part 1

Format	Color
Hex	E92D67
RGB	233, 45, 103
RGB Percent	91%, 18%, 40%
CMY	0.0863, 0.8235, 0.5961
CMYK	0.00, 0.81, 0.56, 0.09
HSL	341°, 81%, 55%
HSV	341°, 81%, 91%
XYZ	36.9908, 20.1797, 14.7774
YIQ	107.8240, 93.4300, 57.8940

Conversions

Conversions Part 2

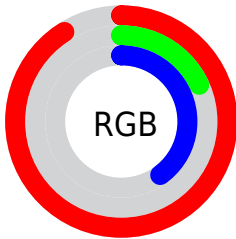
Format	Color
R _{YB}	233, 45, 103
Decimal	15281511
CIE Lab	52.04, 71.78, 14.53
CIE LCh	52, 73.233, 11.444
Yxy	20.1797, 0.5141, 0.2805
Android (android.graphics.Color)	4293471591 (0xFFE92D67)
YUV	107.8240, -2.3782, 109.7794
Hunter-Lab	44.9218, 68.3723, 11.9413

Details

The XYZ color **36.9908, 20.1797, 14.7774** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed rose. A complement of this color would be **37.9611, 61.9315, 50.5190**, and the grayscale version is **14.1949, 14.9341, 16.2632**.

A 20% lighter version of the original color is **52.7572, 34.9620, 34.5396**, and **17.3161, 8.8415, 4.6648** is the 20% darker color. If you saturate the color by 10%, you get **35.6013, 18.5729, 10.7012**, and if you desaturate by 10%, it is **39.0270, 22.8309, 19.8384**.

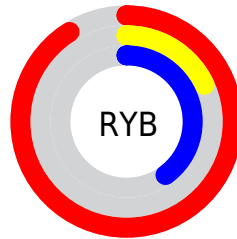
Distribution



Red (91%)

Green (18%)

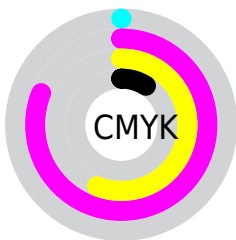
Blue (40%)



Red (91%)

Yellow (18%)

Blue (40%)

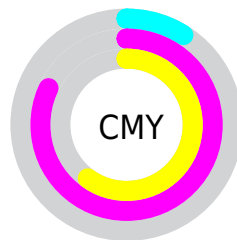


Cyan (0%)

Magenta (81%)

Yellow (56%)

Black (9%)



Cyan (9%)


Magenta (82%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9908, 20.1797, 14.7774 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 36.9908, 20.1797, 14.7774 by changing the saturation by 10% instead.

 36.9908, 20.1797,
14.7774


 36.9908, 20.1797,
14.7774


324.6269,
252.8863, 233.6091


 25.3740, 12.5257,
8.5184


 69.8726, 43.7183,
35.1990

 16.4861, 7.1028,
4.3359


 91.8682, 60.3716,
50.1986


 9.9618, 3.5265,
1.8114


 118.0543, 80.7936,
68.9489

 5.4357, 1.4124,
0.4355

 148.7960,
105.3686, 91.8684

 2.5425, 0.2258,
0.0000

 184.4587,
134.4810, 119.3757

 0.9167, 0.0000,
0.0000

225.4079,

 0.0000, 0.0000,

168.5151, 151.8891

0.0000

272.0089,
207.8554, 189.8274

■ 36.9908, 20.1797,
14.7774

■ 36.9908, 20.1797,
14.7774

■ 35.6013, 18.5729,
10.7012

■ 39.0270, 22.8309,
19.8384


■ 34.7695, 17.7897,
7.7097


■ 41.7873, 26.6673,
25.9502


■ 45.3389, 31.8115,
33.1736


■ 49.7407, 38.3696,
41.5634

■ 55.0457, 46.4368,
51.1710

 61.3025, 56.1000,
62.0443

 68.5562, 67.4393,
74.2285

 76.8487, 80.5297,
87.7665

 86.2198, 95.4413,
102.6992

Harmonies

Analogous

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



36.2806, 20.1797, 37.8416



36.9908, 20.1797, 14.7774



32.0927, 20.1797, 4.4397

Triad

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



36.9908, 20.1797, 14.7774



11.1552, 20.1797, 3.3091



14.9614, 20.1797, 88.6245

Complementary

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



36.9908, 20.1797, 14.7774



37.9611, 61.9315, 50.5190

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.



10.2999, 20.1797, 62.0127



36.9908, 20.1797, 14.7774



8.5289, 20.1797, 11.3062

Square

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



36.9908, 20.1797, 14.7774



16.4684, 20.1797, 1.2848



8.2629, 20.1797, 31.1896



22.1745, 20.1797, 92.0148

Rectangle

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



36.9908, 20.1797, 14.7774



26.9011, 20.1797, 2.0246



8.2629, 20.1797, 31.1896



13.0990, 20.1797, 81.5574

Sweetspot

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



36.9913, 20.1809, 14.7777



72.4566, 64.5423, 71.3752



32.9850, 16.6993, 78.5751



14.9225, 12.9096, 14.2575



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.



36.9913, 20.1809, 14.7777



42.9211, 22.0653, 10.3731



36.9088, 23.1747, 5.0122



15.2568, 15.1306, 16.6375



19.7778, 10.1138, 4.6313



1.5947, 0.8109, 0.5832

Inverse Universe

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



36.9913, 20.1809, 14.7777



42.9211, 22.0653, 10.3731



36.1076, 47.0751, 84.2736



15.2568, 15.1306, 16.6375



19.7778, 10.1138, 4.6313



1.5947, 0.8109, 0.5832

Previews

White Background



This preview shows how the XYZ color 36.9908, 20.1797, 14.7774 looks on a white background.

Color Contrast Check

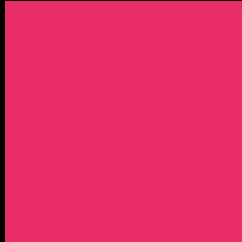
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.9908, 20.1797, 14.7774 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 36.9908, 20.1797, 14.7774

Background



This preview shows how black text looks on a background with the XYZ color 36.9908, 20.1797, 14.7774.



This preview shows how white text looks on a background with the XYZ color 36.9908, 20.1797,

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

36.9908, 20.1797, 14.7774

Protanopia

20.1162, 20.5059, 28.4890

Deuteranopia

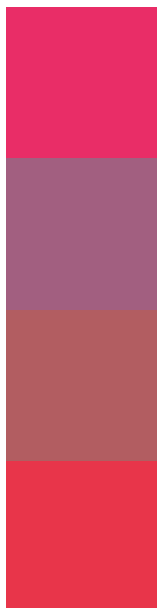
20.7695, 20.4441, 13.4411



Tritanopia

35.1818, 20.2207, 6.0517

Trichromacy



Original Color

36.9908, 20.1797, 14.7774

Protanomaly

22.8888, 17.4243, 22.5789

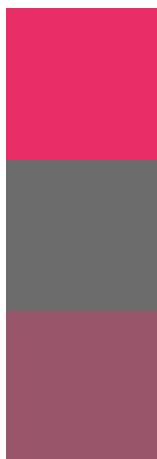
Deuteranomaly

24.4321, 18.1567, 13.5261

Tritanomaly

35.7878, 20.1964, 8.4906

Monochromacy



Original Color

36.9908, 20.1797, 14.7774

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

18.9869, 14.3099, 15.3970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9908, 20.1797, 14.7774 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(233, 45, 103)` looks like.

```
.text, #text, p{  
    color:rgb(233, 45, 103)  
}
```

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(233, 45, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 45, 103) }
```

Border

The CSS property to change the border of an element to XYZ 36.9908, 20.1797, 14.7774 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(233, 45, 103) }
```


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

```
.border{ border-color:rgb(233, 45, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 45, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 45, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 45, 103);  
box-shadow:4px 4px 4px 4px rgb(233, 45,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9908, 20.1797, 14.7774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 45, 103) }
```

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

```
.background{ background-color: rgb(233, 45,  
103) }
```

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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