

Converting Colors

XYZ(38.2580, 20.3922, 17.5057)

Have a look what the booklet for
XYZ(38.2580, 20.3922, 17.5057)
contains.

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Color

**XYZ(38.2658, 20.4113,
17.5457)**

Conversions

Conversions Part 1

Format	Color
Hex	EC2671
RGB	236, 38, 113
RGB Percent	93%, 15%, 44%
CMY	0.0745, 0.8509, 0.5569
CMYK	0.00, 0.84, 0.52, 0.07
HSL	337°, 84%, 54%
HSV	337°, 84%, 93%
XYZ	38.2658, 20.4113, 17.5457
YIQ	105.7520, 93.9330, 65.3010

Conversions

Conversions Part 2

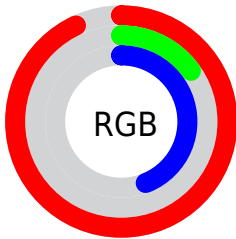
Format	Color
R_{YB}	236, 38, 113
Decimal	15476337
CIE _{Lab}	52.30, 74.81, 8.92
CIE _{LCh}	52, 75.337, 6.802
Yxy	20.4113, 0.5020, 0.2678
Android (android.graphics.Color)	4293666417 (0xFFEC2671)
YUV	105.7520, 3.5733, 114.2275
Hunter-Lab	45.1789, 72.1237, 8.5993

Details

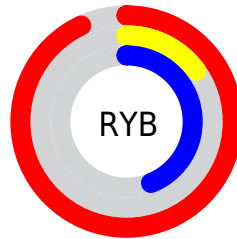
The XYZ color **38.2658, 20.4113, 17.5457** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **37.2300, 62.9770, 43.9202**, and the grayscale version is **13.6068, 14.3154, 15.5894**.

A 20% lighter version of the original color is **53.1985, 34.4557, 38.9687**, and **18.2169, 9.2776, 5.9849** is the 20% darker color. If you saturate the color by 10%, you get **36.9753, 19.0465, 13.3667**, and if you desaturate by 10%, it is **40.1680, 22.7864, 22.5868**.

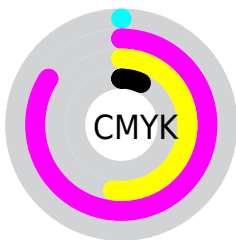
Distribution



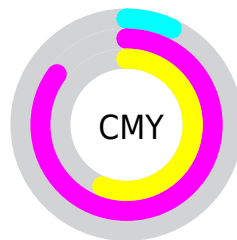
- Red (93%)
- Green (15%)
- Blue (44%)



- Red (93%)
- Yellow (15%)
- Blue (44%)



- Cyan (0%)
- Magenta (84%)
- Yellow (52%)
- Black (7%)





- Cyan (7%)
- Magenta (85%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2658, 20.4113, 17.5457 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 38.2658, 20.4113, 17.5457 by changing the saturation by 10% instead.

 38.2658, 20.4113,
17.5457


 38.2658, 20.4113,
17.5457


330.0200,
254.1331, 250.4473


 26.3672, 12.6944,
10.4583


 71.8166, 44.1057,
40.0651


 17.2327, 7.2184,
5.5943


 94.1996, 60.8519,
56.3341


 10.4968, 3.5991,
2.5352


 120.8080, 81.3768,
76.5008

 5.7944, 1.4519,
0.8587

 152.0073,
106.0645, 100.9836

 2.7599, 0.2545,
0.0000

 188.1628,
135.2997, 130.2011

 1.0281, 0.0000,
0.0000

229.6398,

 0.0000, 0.0000,

169.4665, 164.5719

0.0000

276.8038,
208.9495, 204.5144

■ 38.2658, 20.4113,
17.5457

■ 38.2658, 20.4113,
17.5457

■ 36.9753, 19.0465,
13.3667

■ 40.1680, 22.7864,
22.5868


■ 36.4111, 18.5605,
11.1986


■ 42.7646, 26.3271,
28.5467


■ 46.1259, 31.1653,
35.4765


■ 50.3128, 37.4142,
43.4226

■ 55.3795, 45.1744,
52.4280

 61.3757, 54.5373,
62.5329

 68.3469, 65.5870,
73.7751

 76.3360, 78.4016,
86.1906

 85.3828, 93.0545,
99.8135

Harmonies

Analogous

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



36.5626, 20.4113, 43.6171



38.2658, 20.4113, 17.5457



33.9367, 20.4113, 5.2138

Triad

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



38.2658, 20.4113, 17.5457



11.7760, 20.4113, 2.5785



14.1049, 20.4113, 89.0049

Complementary

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



38.2658, 20.4113, 17.5457



37.2300, 62.9770, 43.9202

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.



9.7513, 20.4113, 58.8211



38.2658, 20.4113, 17.5457



8.6781, 20.4113, 9.3007

Square

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



38.2658, 20.4113, 17.5457



17.6893, 20.4113, 1.0784



8.0509, 20.4113, 27.6687



21.2183, 20.4113, 97.1837

Rectangle

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



38.2658, 20.4113, 17.5457



28.7514, 20.4113, 2.2296



8.0509, 20.4113, 27.6687



12.3346, 20.4113, 80.4354

Sweetspot

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



38.2663, 20.4125, 17.5460



72.2418, 63.5573, 73.0160



30.3526, 14.9282, 80.6383



14.9056, 12.7311, 14.6984



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.



38.2663, 20.4125, 17.5460



43.3780, 22.1152, 13.1883



36.6171, 21.3228, 4.0211



15.3015, 15.1484, 16.8729



20.1286, 10.2541, 6.4787



1.6261, 0.8234, 0.7482

Inverse Universe

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



38.2663, 20.4125, 17.5460



43.3780, 22.1152, 13.1883



39.7099, 54.0077, 87.6882



15.3015, 15.1484, 16.8729



20.1286, 10.2541, 6.4787



1.6261, 0.8234, 0.7482

Previews

White Background



This preview shows how the XYZ color 38.2658, 20.4113, 17.5457 looks on a white background.

Color Contrast Check

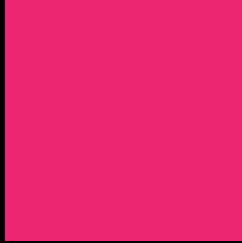
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.2658, 20.4113, 17.5457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

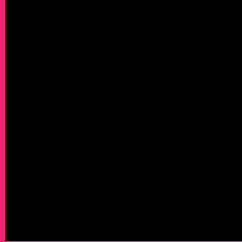
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.2658, 20.4113, 17.5457

Background



This preview shows how black text looks on a background with the XYZ color 38.2658, 20.4113, 17.5457.



This preview shows how white text looks on a background with the XYZ color 38.2658, 20.4113,

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

38.2658, 20.4113, 17.5457

Protanopia

20.6296, 20.6315, 34.7933

Deuteranopia

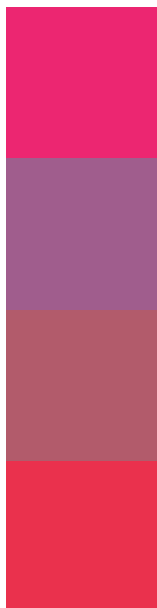
21.0131, 20.6940, 15.9835



Tritanopia

35.7090, 20.3514, 5.9170

Trichromacy



Original Color

38.2658, 20.4113, 17.5457

Protanomaly

23.2193, 17.2254, 27.3003

Deuteranomaly

24.7550, 18.0087, 16.0812

Tritanomaly

36.3696, 20.2249, 9.0081

Monochromacy



Original Color

38.2658, 20.4113, 17.5457

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

18.8396, 13.7613, 16.1312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2658, 20.4113, 17.5457 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(236, 38, 113)` looks like.

```
.text, #text, p{  
    color:rgb(236, 38, 113)  
}
```

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(236, 38, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 38, 113) }
```

Border

The CSS property to change the border of an element to XYZ 38.2658, 20.4113, 17.5457 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(236, 38, 113) }
```


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

```
.border{ border-color:rgb(236, 38, 113) }
```

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

Here you see how a box with a 4 pixel rgb(236, 38, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 38, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 38, 113);  
box-shadow:4px 4px 4px 4px rgb(236, 38,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2658, 20.4113, 17.5457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 38, 113) }
```

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

```
.background{ background-color: rgb(236, 38,  
113) }
```

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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