

Converting Colors

XYZ(38.7342, 22.4616, 12.6499)

Have a look what the booklet for
XYZ(38.7342, 22.4616, 12.6499)
contains.

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Color

**XYZ(38.7342, 22.4616,
12.6499)**

Conversions

Conversions Part 1

Format	Color
Hex	ED405D
RGB	237, 64, 93
RGB Percent	93%, 25%, 36%
CMY	0.0706, 0.7490, 0.6353
CMYK	0.00, 0.73, 0.61, 0.07
HSL	350°, 83%, 59%
HSV	350°, 73%, 93%
XYZ	38.7342, 22.4616, 12.6499
YIQ	119.0330, 93.7990, 45.6950

Conversions

Conversions Part 2

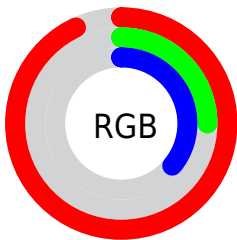
Format	Color
R _Y B	237, 64, 93
Decimal	15548509
CIE Lab	54.51, 66.76, 23.98
CIE LCh	55, 70.940, 19.761
Yxy	22.4616, 0.5245, 0.3042
Android (android.graphics.Color)	4293738589 (0xFFED405D)
YUV	119.0330, -12.8343, 103.4571
Hunter-Lab	47.3937, 62.9467, 17.3504

Details

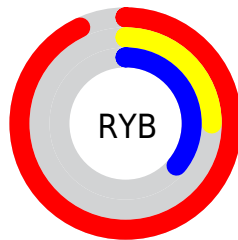
The XYZ color **38.7342, 22.4616, 12.6499** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark muted red. A complement of this color would be **43.7857, 66.2130, 70.1544**, and the grayscale version is **17.5651, 18.4798, 20.1245**.

A 20% lighter version of the original color is **53.4056, 37.6585, 30.4406**, and **17.9891, 9.2121, 3.6263** is the 20% darker color. If you saturate the color by 10%, you get **36.9059, 20.0278, 8.2713**, and if you desaturate by 10%, it is **41.3564, 26.1229, 18.4054**.

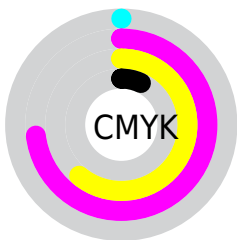
Distribution



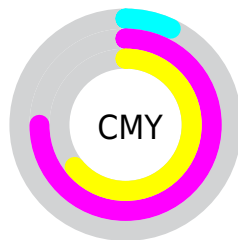
- Red (93%)
- Green (25%)
- Blue (36%)



- Red (93%)
- Yellow (25%)
- Blue (36%)



- Cyan (0%)
- Magenta (73%)
- Yellow (61%)
- Black (7%)





- Cyan (7%)
- Magenta (75%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7342, 22.4616, 12.6499 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 38.7342, 22.4616, 12.6499 by changing the saturation by 10% instead.


 38.7342, 22.4616,
12.6499


 38.7342, 22.4616,
12.6499


331.9858,
264.9475, 219.7900


 26.7328, 14.1965,
7.0600


 72.5288, 47.5077,
31.3553

 17.5082, 8.2574,
3.4207


 95.0526, 65.0576,
45.3079


 10.6950, 4.2601,
1.3132


 121.8147, 86.4710,
62.8851

 5.9279, 1.8201,
0.0726

 153.1804,
112.1326, 84.5055

 2.8415, 0.4997,
0.0000

 189.5150,
142.4266, 110.5877

 1.0705, 0.0000,
0.0000

231.1838,

 0.0002, 0.0000,

177.7375, 141.5502

0.0000

278.5523,
218.4497, 177.8114

■ 0.0000, 0.0000,
0.0000

■ 38.7342, 22.4616,
12.6499

■ 38.7342, 22.4616,
12.6499

■ 36.9059, 20.0278,
8.2713

■ 41.3564, 26.1229,
18.4054

■ 35.7745, 18.6555,
5.1494


■ 44.8506, 31.1419,
25.6413


■ 35.3030, 18.1557,
3.6259


■ 49.2872, 37.6367,
34.4525

■ 54.7288, 45.7113,
44.9252

■ 61.2327, 55.4603,
57.1394

 68.8517, 66.9709,
71.1700

 77.6350, 80.3241,
87.0873

 87.6290, 95.5960,
104.9580

 88.7349, 96.7444,
108.6045

Harmonies

Analogous

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



39.6975, 22.4616, 32.8836



38.7342, 22.4616, 12.6499



32.5349, 22.4616, 4.1714

Triad

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



38.7342, 22.4616, 12.6499



11.8502, 22.4616, 5.9156



18.8006, 22.4616, 95.4103

Complementary

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



38.7342, 22.4616, 12.6499



43.7857, 66.2130, 70.1544

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.



13.0752, 22.4616, 73.8565



38.7342, 22.4616, 12.6499



9.7584, 22.4616, 17.6088

Square

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



38.7342, 22.4616, 12.6499



16.6832, 22.4616, 2.2413



10.1445, 22.4616, 41.9751



26.8126, 22.4616, 90.9242

Rectangle

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



38.7342, 22.4616, 12.6499



26.9492, 22.4616, 2.2662



10.1445, 22.4616, 41.9751



16.5840, 22.4616, 90.6314

Sweetspot

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



38.7347, 22.4629, 12.6503



73.0627, 66.6297, 68.8788



42.3756, 22.8023, 82.2881



15.1566, 13.5366, 13.8465



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.



38.7347, 22.4629, 12.6503



42.7692, 22.6391, 7.6171



42.4227, 31.5188, 8.7001



15.1684, 15.0952, 16.1723



19.3065, 9.9253, 2.1493



1.5464, 0.7915, 0.3290

Inverse Universe

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



38.7347, 22.4629, 12.6503



42.7692, 22.6391, 7.6171



34.1742, 40.7509, 86.1848



15.1684, 15.0952, 16.1723



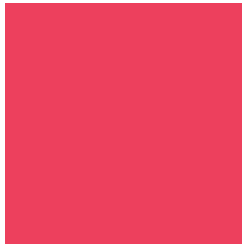
19.3065, 9.9253, 2.1493



1.5464, 0.7915, 0.3290

Previews

White Background



This preview shows how the XYZ color 38.7342, 22.4616, 12.6499 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 38.7342, 22.4616, 12.6499 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 38.7342, 22.4616, 12.6499

Background



This preview shows how black text looks on a background with the XYZ color 38.7342, 22.4616, 12.6499.



This preview shows how white text looks on a background with the XYZ color 38.7342, 22.4616,

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

38.7342, 22.4616, 12.6499

Protanopia

21.5495, 22.5462, 21.9550

Deuteranopia

23.0344, 22.5764, 11.5311



Tritanopia

37.7965, 22.4220, 8.2970

Trichromacy



Original Color

38.7342, 22.4616, 12.6499

Protanomaly

25.0919, 20.2486, 17.9151

Deuteranomaly

27.0641, 20.9534, 11.6348

Tritanomaly

38.0105, 22.4117, 9.7196

Monochromacy



Original Color

38.7342, 22.4616, 12.6499

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

22.1766, 17.7309, 17.0054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7342, 22.4616, 12.6499 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(237, 64, 93)` looks like.

```
.text, #text, p{  
    color:rgb(237, 64, 93)  
}
```

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(237, 64, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 64, 93) }
```

Border

The CSS property to change the border of an element to XYZ 38.7342, 22.4616, 12.6499 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(237, 64, 93) }
```


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

```
.border{ border-color:rgb(237, 64, 93) }
```

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

Here you see how a box with a 4 pixel rgb(237, 64, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 64, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 64, 93);  
box-shadow:4px 4px 4px 4px rgb(237, 64,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7342, 22.4616, 12.6499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 64, 93) }
```

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

```
.background{ background-color: rgb(237, 64,  
93) }
```

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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