

Converting Colors

XYZ(42.4690, 28.6499, 19.4063)

Have a look what the booklet for
XYZ(42.4690, 28.6499, 19.4063)
contains.

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Color

**XYZ(42.4380, 28.5734,
19.4981)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EC6673 |
| RGB | 236, 102, 115 |
| RGB Percent | 93%, 40%, 45% |
| CMY | 0.0745, 0.6000, 0.5490 |
| CMYK | 0.00, 0.57, 0.51, 0.07 |
| HSL | 354°, 78%, 66% |
| HSV | 354°, 57%, 93% |
| XYZ | 42.4380, 28.5734, 19.4981 |
| YIQ | 143.5480, 75.6910, 32.4510 |

Conversions

Conversions Part 2

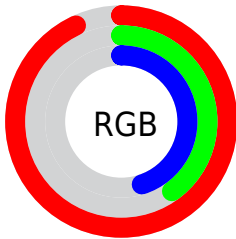
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 236, 102, 115 |
| Decimal | 15492723 |
| CIE Lab | 60.40, 52.83, 19.00 |
| CIE LCh | 60, 56.145, 19.779 |
| Yxy | 28.5734, 0.4689, 0.3157 |
| Android (android.graphics.Color) | 4293682803 (0xFFEC6673) |
| YUV | 143.5480, -14.0742, 81.0804 |
| Hunter-Lab | 53.4541, 48.1691, 15.7910 |

Details

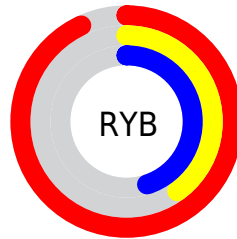
The XYZ color **42.4380, 28.5734, 19.4981** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **48.7960, 68.1442, 80.3983**, and the grayscale version is **26.3620, 27.7349, 30.2033**.

A 20% lighter version of the original color is **60.2720, 48.1640, 42.6791**, and **19.6693, 11.4732, 6.4881** is the 20% darker color. If you saturate the color by 10%, you get **39.3519, 24.1423, 13.1025**, and if you desaturate by 10%, it is **46.4690, 34.4409, 27.6076**.

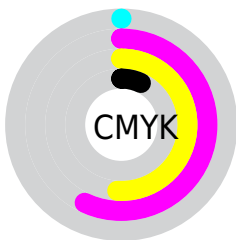
Distribution



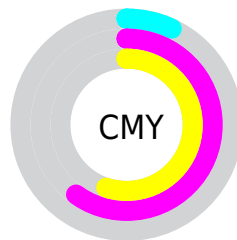
- Red (93%)
- Green (40%)
- Blue (45%)



- Red (93%)
- Yellow (40%)
- Blue (45%)



- Cyan (0%)
- Magenta (57%)
- Yellow (51%)
- Black (7%)





- Cyan (7%)
- Magenta (60%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4380, 28.5734, 19.4981 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 42.4380, 28.5734, 19.4981 by changing the saturation by 10% instead.


 42.4380, 28.5734,
19.4981


 42.4380, 28.5734,
19.4981


347.2562,
295.1968, 261.6987

 29.6370, 18.7583,
11.8503


 78.1231, 57.3986,
43.4219


 19.7099, 11.4958,
6.5205


 101.7379, 77.1776,
60.5351

 12.2914, 6.4014,
3.0902


 129.6881,
101.0466, 81.6404

 7.0161, 3.0906,
1.1409

 162.3389,
129.3901, 107.1564

 3.5186, 1.1792,
0.0000

200.0558,
162.5925, 137.5017

 1.4336, 0.0446,
0.0000

243.2041,

 0.2799, 0.0000,

201.0381, 173.0948

0.0000

292.1491,
245.1114, 214.3543

■ 0.0000, 0.0000,
0.0000

■ 42.4380, 28.5734,
19.4981

■ 42.4380, 28.5734,
19.4981

■ 39.3519, 24.1423,
13.1025

■ 46.4690, 34.4409,
27.6076

■ 37.1312, 21.0198,
8.2959

■ 51.5116, 41.8492,
37.5410

■ 35.6865, 19.0633,
4.9383

■ 57.6289, 50.8984,
49.4005

■ 34.9058, 18.0905,
2.8640

■ 64.8783, 61.6786,
63.2807

■ 34.7455, 17.8942,
2.4272

■ 73.3130, 74.2736,
79.2696

■ 82.9828, 88.7616,
97.4502

■ 88.4020, 96.5728,
108.5889

Harmonies

Analogous

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



43.2498, 28.5734, 38.7175



42.4380, 28.5734, 19.4981



37.1512, 28.5734, 9.5495

Triad

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



42.4380, 28.5734, 19.4981



17.8728, 28.5734, 11.8451



24.7673, 28.5734, 88.9783

Complementary

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



42.4380, 28.5734, 19.4981



48.7960, 68.1442, 80.3983

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.



19.1399, 28.5734, 72.4443



42.4380, 28.5734, 19.4981



15.6536, 28.5734, 24.5733

Square

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



42.4380, 28.5734, 19.4981



22.7237, 28.5734, 6.6842



16.0722, 28.5734, 46.6082



32.1350, 28.5734, 85.5660

Rectangle

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



42.4380, 28.5734, 19.4981



32.2476, 28.5734, 6.7219



16.0722, 28.5734, 46.6082



22.6345, 28.5734, 85.3605

Sweetspot

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



42.4387, 28.5749, 19.4986



77.0718, 73.1225, 74.9184



50.2010, 31.1850, 82.7302



16.1012, 15.0624, 15.2816



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.



42.4387, 28.5749, 19.4986



46.4514, 28.1241, 14.6383



48.8129, 42.4368, 18.1908



15.1248, 15.0778, 15.9425



19.1734, 9.8720, 1.4484



1.5257, 0.7833, 0.2199

Inverse Universe

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



42.4387, 28.5749, 19.4986



46.4514, 28.1241, 14.6383



37.4313, 42.5026, 85.5878



15.1248, 15.0778, 15.9425



19.1734, 9.8720, 1.4484



1.5257, 0.7833, 0.2199

Previews

White Background



This preview shows how the XYZ color 42.4380, 28.5734, 19.4981 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 42.4380, 28.5734, 19.4981 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 42.4380, 28.5734, 19.4981

Background



This preview shows how black text looks on a background with the XYZ color 42.4380, 28.5734, 19.4981.



This preview shows how white text looks on a background with the XYZ color 42.4380, 28.5734,

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

42.4380, 28.5734, 19.4981

Protanopia

27.4853, 28.9147, 27.4250

Deuteranopia

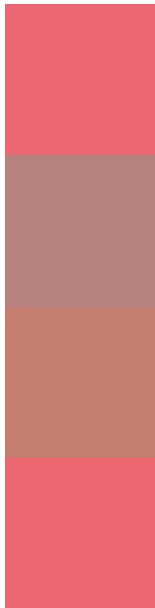
29.1517, 28.6309, 18.4579



Tritanopia

42.2568, 28.6592, 18.0564

Trichromacy



Original Color

42.4380, 28.5734, 19.4981

Protanomaly

31.1703, 27.4689, 24.0812

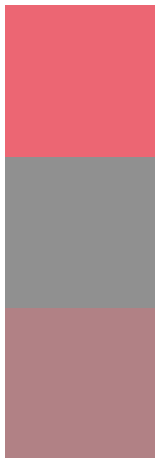
Deuteranomaly

32.8358, 27.6715, 18.6494

Tritanomaly

42.3669, 28.7032, 18.6365

Monochromacy



Original Color

42.4380, 28.5734, 19.4981

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

30.2154, 26.7411, 25.7593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4380, 28.5734, 19.4981 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, 102, 115)` looks like.

```
.text, #text, p{  
    color:rgb(236, 102, 115)  
}
```

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, 102, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 102, 115) }
```

Border

The CSS property to change the border of an element to XYZ 42.4380, 28.5734, 19.4981 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, 102, 115) }
```


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

```
.border{ border-color:rgb(236, 102, 115) }
```

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

Here you see how a box with a 4 pixel rgb(236, 102, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 102, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 102, 115);  
box-shadow:4px 4px 4px 4px rgb(236, 102,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4380, 28.5734, 19.4981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 102, 115) }
```

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

```
.background{ background-color: rgb(236,  
102, 115) }
```

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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