

Converting Colors

XYZ(42.8502, 28.3672, 22.8120)

Have a look what the booklet for
XYZ(42.8502, 28.3672, 22.8120)
contains.

XYZ(42.9151, 28.4536, 22.9689)	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(42.9151, 28.4536,
22.9689)**

Conversions

Conversions Part 1

Format	Color
Hex	EC647E
RGB	236, 100, 126
RGB Percent	93%, 39%, 49%
CMY	0.0745, 0.6078, 0.5059
CMYK	0.00, 0.58, 0.47, 0.07
HSL	349°, 78%, 66%
HSV	349°, 58%, 93%
XYZ	42.9151, 28.4536, 22.9689
YIQ	143.6280, 72.7100, 36.9180

Conversions

Conversions Part 2

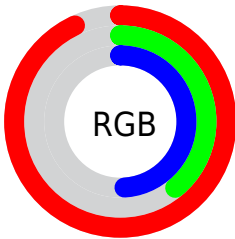
Format	Color
R _{YB}	236, 100, 126
Decimal	15492222
CIE Lab	60.30, 54.72, 12.49
CIE LCh	60, 56.127, 12.855
Yxy	28.4536, 0.4549, 0.3016
Android (android.graphics.Color)	4293682302 (0xFFEC647E)
YUV	143.6280, -8.6906, 81.0102
Hunter-Lab	53.3419, 50.2600, 11.8092

Details

The XYZ color **42.9151, 28.4536, 22.9689** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **46.8855, 67.3539, 71.5069**, and the grayscale version is **26.3742, 27.7477, 30.2173**.

A 20% lighter version of the original color is **60.9972, 47.9170, 48.1535**, and **19.8826, 11.3775, 8.1693** is the 20% darker color. If you saturate the color by 10%, you get **39.8538, 24.1178, 16.4402**, and if you desaturate by 10%, it is **46.8684, 34.1972, 30.9550**.

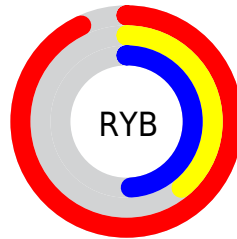
Distribution



Red (93%)

Green (39%)

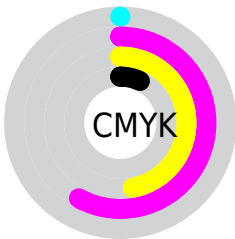
Blue (49%)



Red (93%)

Yellow (39%)

Blue (49%)

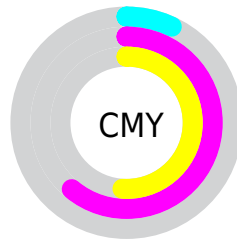


Cyan (0%)

Magenta (58%)

Yellow (47%)

Black (7%)



Cyan (7%)


Magenta (61%)


Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9151, 28.4536, 22.9689 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 42.9151, 28.4536, 22.9689 by changing the saturation by 10% instead.


 42.9151, 28.4536,
22.9689


 42.9151, 28.4536,
22.9689

349.1899,
294.6281, 280.6820


 30.0127, 18.6679,
14.3655


 78.8392, 57.2078,
49.2648


 19.9964, 11.4305,
8.2336


 102.5917, 76.9451,
67.7943

 12.5007, 6.3572,
4.1549


 130.6916,
100.7684, 90.4697

 7.1602, 3.0635,
1.7107

 163.5043,
129.0620, 117.7093

 3.6097, 1.1650,
0.3681

201.3951,
162.2104, 149.9318

 1.4838, 0.0328,
0.0000

244.7294,

 0.3148, 0.0000,

200.5979, 187.5558

0.0000

293.8726,
244.6090, 230.9996

■ 0.0000, 0.0000,
0.0000

■ 42.9151, 28.4536,
22.9689

■ 42.9151, 28.4536,
22.9689

■ 39.8538, 24.1178,
16.4402

■ 46.8684, 34.1972,
30.9550

■ 37.6104, 21.0632,
11.2773

■ 51.7751, 41.4519,
40.4791

■ 36.1023, 19.1481,
7.3800

■ 57.6939, 50.3163,
51.6176

■ 35.2209, 18.1818,
4.6306

■ 64.6778, 60.8796,
64.4415

■ 35.0676, 18.0231,
4.1240

■ 72.7762, 73.2242,
79.0172

■ 82.0355, 87.4272,
95.4077

■ 88.4019, 96.5728,
108.5889

Harmonies

Analogous

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



42.5512, 28.4536, 44.2033



42.9151, 28.4536, 22.9689



38.5181, 28.4536, 11.0789

Triad

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



42.9151, 28.4536, 22.9689



18.6772, 28.4536, 10.0549



23.1643, 28.4536, 86.4258

Complementary

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



42.9151, 28.4536, 22.9689



46.8855, 67.3539, 71.5069

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.



18.1105, 28.4536, 66.5386



42.9151, 28.4536, 22.9689



15.8532, 28.4536, 20.6997

Square

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



42.9151, 28.4536, 22.9689



24.0789, 28.4536, 6.1713



15.6661, 28.4536, 40.6686



30.2436, 28.4536, 87.9570

Rectangle

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



42.9151, 28.4536, 22.9689



33.8665, 28.4536, 7.3950



15.6661, 28.4536, 40.6686



21.2059, 28.4536, 81.3644

Sweetspot

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



42.9158, 28.4551, 22.9694



77.6058, 73.3361, 77.7304



45.9365, 28.6984, 82.4747



16.2256, 15.1121, 15.9369



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.



42.9158, 28.4551, 22.9694



47.0022, 28.0442, 18.4642



46.3888, 37.7456, 16.8994



15.1831, 15.1011, 16.2495



19.3653, 9.9488, 2.4591



1.5534, 0.7943, 0.3654

Inverse Universe

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



42.9158, 28.4551, 22.9694



47.0022, 28.0442, 18.4642



39.9572, 47.8868, 86.4936



15.1831, 15.1011, 16.2495



19.3653, 9.9488, 2.4591



1.5534, 0.7943, 0.3654

Previews

White Background



This preview shows how the XYZ color 42.9151, 28.4536, 22.9689 looks on a white background.

Color Contrast Check

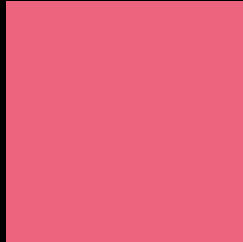
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.9151, 28.4536, 22.9689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

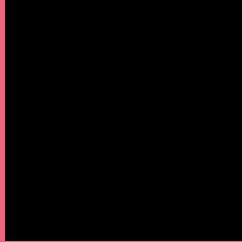
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.9151, 28.4536, 22.9689

Background



This preview shows how black text looks on a background with the XYZ color 42.9151, 28.4536, 22.9689.



This preview shows how white text looks on a background with the XYZ color 42.9151, 28.4536,

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

42.9151, 28.4536, 22.9689

Protanopia

27.6630, 28.6559, 32.9273

Deuteranopia

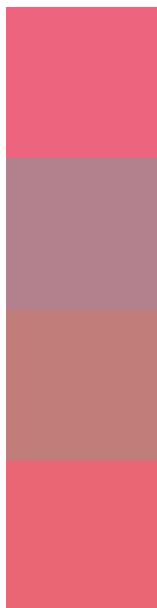
29.1304, 28.5472, 21.7441



Tritanopia

41.9257, 28.4885, 18.0409

Trichromacy



Original Color

42.9151, 28.4536, 22.9689

Protanomaly

31.2484, 27.2073, 28.8039

Deuteranomaly

32.8388, 27.4098, 21.9722

Tritanomaly

42.1647, 28.4259, 19.7874

Monochromacy



Original Color

42.9151, 28.4536, 22.9689

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

30.3660, 26.5916, 27.1991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9151, 28.4536, 22.9689 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, 100, 126)` looks like.

```
.text, #text, p{  
    color:rgb(236, 100, 126)  
}
```

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, 100, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 100, 126) }
```

Border

The CSS property to change the border of an element to XYZ 42.9151, 28.4536, 22.9689 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, 100, 126) }
```


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

```
.border{ border-color:rgb(236, 100, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 100, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 100, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 100, 126); box-shadow:4px 4px 4px 4px rgb(236, 100, 126) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9151, 28.4536, 22.9689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 100, 126) }
```

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

```
.background{ background-color: rgb(236,  
100, 126) }
```

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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