

Converting Colors

XYZ(48.4237, 30.7216, 36.6429)

Have a look what the booklet for
XYZ(48.4237, 30.7216, 36.6429)
contains.

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Color

**XYZ(48.3690, 30.6859,
36.6313)**

Conversions

Conversions Part 1

Format	Color
Hex	F562A0
RGB	245, 98, 160
RGB Percent	96%, 38%, 63%
CMY	0.0392, 0.6157, 0.3725
CMYK	0.00, 0.60, 0.35, 0.04
HSL	335°, 88%, 67%
HSV	335°, 60%, 96%
XYZ	48.3690, 30.6859, 36.6313
YIQ	149.0210, 67.7100, 50.4460

Conversions

Conversions Part 2

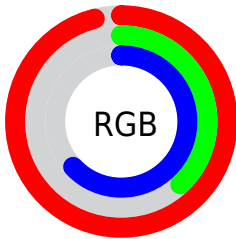
Format	Color
R _Y B	245, 98, 160
Decimal	16081568
CIE Lab	62.24, 61.94, -4.20
CIE LCh	62, 62.084, 356.120
Yxy	30.6859, 0.4181, 0.2653
Android (android.graphics.Color)	4294271648 (0xFFFF562A0)
YUV	149.0210, 5.4126, 84.1736
Hunter-Lab	55.3949, 58.9194, -0.4307

Details

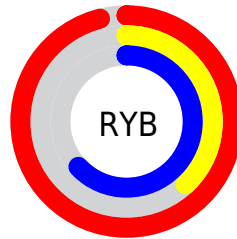
The XYZ color **48.3690, 30.6859, 36.6313** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **46.2384, 71.3212, 56.1334**, and the grayscale version is **28.5352, 30.0212, 32.6931**.

A 20% lighter version of the original color is **65.2271, 49.6090, 70.4276**, and **23.3988, 12.6802, 15.6823** is the 20% darker color. If you saturate the color by 10%, you get **45.2476, 26.3148, 29.8206**, and if you desaturate by 10%, it is **52.3347, 36.5193, 44.4209**.

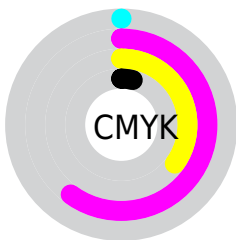
Distribution



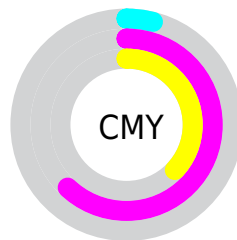
- Red (96%)
- Green (38%)
- Blue (63%)



- Red (96%)
- Yellow (38%)
- Blue (63%)



- Cyan (0%)
- Magenta (60%)
- Yellow (35%)
- Black (4%)





- Cyan (4%)
- Magenta (62%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3690, 30.6859, 36.6313 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 48.3690, 30.6859, 36.6313 by changing the saturation by 10% instead.


 48.3690, 30.6859,
36.6313


 48.3690, 30.6859,
36.6313

370.8112,
305.0886, 346.8320


 34.3317, 20.3598,
24.6286


 86.9599, 60.7452,
71.1853


 23.3126, 12.6568,
15.5841


 112.2442, 81.2472,
94.5738

 14.9465, 7.1927,
9.0792


 142.0082,
105.9099, 122.5945

 8.8679, 3.5829,
4.6953

 176.6173,
135.1178, 155.6661

 4.7115, 1.4431,
2.0140

216.4368,
169.2552, 194.2071

 2.1120, 0.2482,
0.5639

261.8320,

 0.6957, 0.0000,

208.7066, 238.6361

0.0000

313.1684,
253.8563, 289.3715

■ 0.0000, 0.0000,
0.0000

■ 48.3690, 30.6859,
36.6313

■ 48.3690, 30.6859,
36.6313

■ 45.2476, 26.3148,
29.8206

■ 52.3347, 36.5193,
44.4209

■ 42.8969, 23.2666,
23.9400

■ 57.2045, 43.9279,
53.2306

■ 41.2337, 21.3830,
18.9377

■ 63.0356, 53.0189,
63.1010

■ 40.1211, 20.3986,
14.7419

■ 69.8795, 63.8887,
74.0696

■ 40.1208, 20.3983,
14.7406

■ 77.7839, 76.6265,
86.1718

86.7933, 91.3153,
99.4412

91.4662, 98.1525,
108.7323

Harmonies

Analogous

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



44.6865, 30.6859, 66.2891



48.3690, 30.6859, 36.6313



46.1507, 30.6859, 16.9395

Triad

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



48.3690, 30.6859, 36.6313



22.6338, 30.6859, 6.7502



21.0768, 30.6859, 88.2066

Complementary

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



48.3690, 30.6859, 36.6313



46.2384, 71.3212, 56.1334

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.



16.9623, 30.6859, 58.1140



48.3690, 30.6859, 36.6313



17.7331, 30.6859, 13.7293

Square

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



48.3690, 30.6859, 36.6313



30.2695, 30.6859, 5.2854



15.8664, 30.6859, 30.3866



28.0897, 30.6859, 103.8047

Rectangle

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



48.3690, 30.6859, 36.6313



41.8162, 30.6859, 9.9715



15.8664, 30.6859, 30.3866



19.3652, 30.6859, 78.9125

Sweetspot

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



48.3699, 30.6875, 36.6319



78.1323, 72.5369, 83.6155



39.9772, 25.1900, 89.1413



16.2163, 14.7136, 17.1051



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.



48.3699, 30.6875, 36.6319



48.9301, 27.9821, 31.1854



45.2035, 30.9791, 15.1544



16.7891, 16.5985, 18.6359



21.6796, 11.0153, 8.2869



1.9556, 0.9882, 0.9925

Inverse Universe

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



48.3699, 30.6875, 36.6319



48.9301, 27.9821, 31.1854



51.2851, 68.7213, 96.9477



16.7891, 16.5985, 18.6359



21.6796, 11.0153, 8.2869



1.9556, 0.9882, 0.9925

Previews

White Background



This preview shows how the XYZ color 48.3690, 30.6859, 36.6313 looks on a white background.

Color Contrast Check

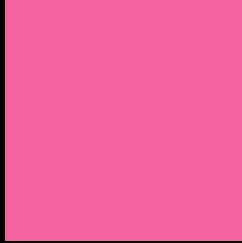
Large Text (above 18pt) WCAG AA × Fail

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 48.3690, 30.6859, 36.6313 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 ✓ Pass

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

XYZ 48.3690, 30.6859, 36.6313

Background



This preview shows how black text looks on a background with the XYZ color 48.3690, 30.6859, 36.6313.



This preview shows how white text looks on a background with the XYZ color 48.3690, 30.6859,

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

48.3690, 30.6859, 36.6313

Protanopia

31.1883, 30.9206, 54.7765

Deuteranopia

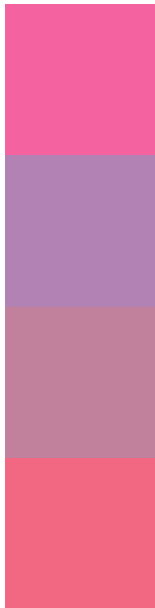
31.3385, 30.7502, 34.4207



Tritanopia

44.7327, 30.6637, 19.7807

Trichromacy



Original Color

48.3690, 30.6859, 36.6313

Protanomaly

34.6832, 28.7664, 47.4405

Deuteranomaly

35.8433, 29.4383, 35.2455

Tritanomaly

45.6650, 30.4166, 24.9369

Monochromacy



Original Color

48.3690, 30.6859, 36.6313

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

33.4996, 28.4555, 33.8638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3690, 30.6859, 36.6313 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(245, 98, 160)` looks like.

```
.text, #text, p{  
    color:rgb(245, 98, 160)  
}
```

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(245, 98, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 98, 160) }
```

Border

The CSS property to change the border of an element to XYZ 48.3690, 30.6859, 36.6313 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(245, 98, 160) }
```


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

```
.border{ border-color:rgb(245, 98, 160) }
```

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

Here you see how a box with a 4 pixel rgb(245, 98, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 98, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 98, 160);  
box-shadow:4px 4px 4px 4px rgb(245, 98,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3690, 30.6859, 36.6313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 98, 160) }
```

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

```
.background{ background-color: rgb(245, 98,  
160) }
```

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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