

Converting Colors

XYZ(50.9646, 30.2343, 68.4014)

Have a look what the booklet for
XYZ(50.9646, 30.2343, 68.4014)
contains.

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Color

**XYZ(50.9759, 30.2747,
68.1226)**

Conversions

Conversions Part 1

Format	Color
Hex	ED5AD8
RGB	237, 90, 216
RGB Percent	93%, 35%, 85%
CMY	0.0706, 0.6470, 0.1529
CMYK	0.00, 0.62, 0.09, 0.07
HSL	309°, 80%, 64%
HSV	309°, 62%, 93%
XYZ	50.9759, 30.2747, 68.1226
YIQ	148.3170, 47.1660, 70.3500

Conversions

Conversions Part 2

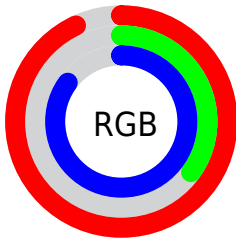
Format	Color
R_{YB}	237, 90, 216
Decimal	15555288
CIE Lab	61.89, 70.50, -36.76
CIE LCh	62, 79.511, 332.460
Yxy	30.2747, 0.3413, 0.2027
Android (android.graphics.Color)	4293745368 (0xFFED5AD8)
YUV	148.3170, 33.3677, 77.7750
Hunter-Lab	55.0224, 69.0832, -34.8905

Details

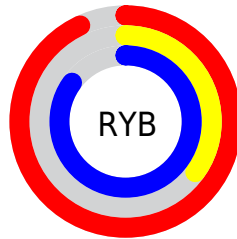
The XYZ color **50.9759, 30.2747, 68.1226** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **37.3713, 63.8910, 25.4037**, and the grayscale version is **28.1332, 29.5983, 32.2325**.

A 20% lighter version of the original color is **69.8799, 49.6598, 100.5100**, and **25.0094, 12.4708, 34.8072** is the 20% darker color. If you saturate the color by 10%, you get **48.8530, 26.7217, 65.2775**, and if you desaturate by 10%, it is **53.7469, 35.1082, 71.2287**.

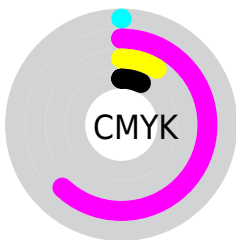
Distribution



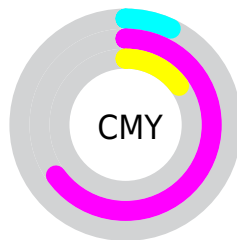
- Red (93%)
- Green (35%)
- Blue (85%)



- Red (93%)
- Yellow (35%)
- Blue (85%)



- Cyan (0%)
- Magenta (62%)
- Yellow (9%)
- Black (7%)





- Cyan (7%)
- Magenta (65%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9759, 30.2747, 68.1226 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 50.9759, 30.2747, 68.1226 by changing the saturation by 10% instead.


 50.9759, 30.2747,
68.1226

 50.9759, 30.2747,
68.1226

380.8594,
303.1828, 472.5401


 36.4104, 20.0472,
49.5302


 90.8023, 60.0963,
118.1834


 24.9229, 12.4293,
34.6717


 116.7940, 80.4592,
150.4888

 16.1480, 7.0368,
23.1285


 147.3251,
104.9694, 188.2023

 9.7205, 3.4851,
14.4823

 182.7610,
134.0112, 231.7425

 5.2749, 1.3899,
8.3143

223.4670,
167.9690, 281.5278

 2.4458, 0.2093,
4.2061

269.8085,

 0.8680, 0.0000,

207.2273, 337.9768

1.7391

322.1508,
252.1705, 401.5081

■ 0.0000, 0.0000,
0.3873

■ 0.0000, 0.0000,
0.0000

■ 50.9759, 30.2747,
68.1226

■ 50.9759, 30.2747,
68.1226

■ 48.8530, 26.7217,
65.2775

■ 53.7469, 35.1082,
71.2287

■ 47.3121, 24.3188,
62.6705


■ 57.2177, 41.3275,
74.6126


■ 46.2782, 22.9159,
60.2764


■ 61.4383, 49.0317,
78.2915


■ 45.7218, 22.3233,
58.4874


■ 66.4532, 58.3098,
82.2804

 72.3033, 69.2436,
86.5932

 79.0269, 81.9095,
91.2430

 86.3694, 95.7983,
96.1452

 86.8765, 96.0011,
98.8152

 87.3929, 96.2077,
101.5348

Harmonies

Analogous

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



41.2017, 30.2747, 111.1562



50.9759, 30.2747, 68.1226



54.4144, 30.2747, 30.5139

Triad

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



50.9759, 30.2747, 68.1226



27.9065, 30.2747, 2.2468



14.7426, 30.2747, 75.4325

Complementary

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



50.9759, 30.2747, 68.1226



37.3713, 63.8910, 25.4037

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.



12.8015, 30.2747, 35.5418



50.9759, 30.2747, 68.1226



19.1381, 30.2747, 4.1313

Square

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



50.9759, 30.2747, 68.1226



39.3006, 30.2747, 3.5333



14.1878, 30.2747, 12.6270



20.3199, 30.2747, 116.9043

Rectangle

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



50.9759, 30.2747, 68.1226



52.1052, 30.2747, 15.2734



14.1878, 30.2747, 12.6270



13.7152, 30.2747, 60.7740

Sweetspot

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



50.9769, 30.2761, 68.1232



80.3993, 72.4501, 98.6172



25.3245, 16.7178, 82.0138



16.8058, 14.7565, 20.8035



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.



50.9769, 30.2761, 68.1232



57.2151, 30.7953, 76.3571



43.6090, 27.3289, 29.3240



15.6169, 15.2746, 18.5338



24.9996, 12.2025, 32.1291



1.9884, 0.9683, 2.6565

Inverse Universe

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



50.9769, 30.2761, 68.1232



57.2151, 30.7953, 76.3571



43.0597, 66.1663, 55.3580



15.6169, 15.2746, 18.5338



24.9996, 12.2025, 32.1291



1.9884, 0.9683, 2.6565

Previews

White Background



This preview shows how the XYZ color 50.9759, 30.2747, 68.1226 looks on a white background.

Color Contrast Check

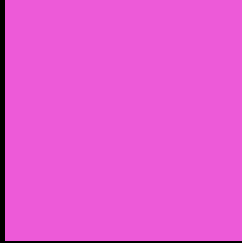
Large Text (above 18pt) WCAG AA × Fail

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 50.9759, 30.2747, 68.1226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

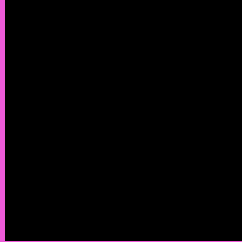
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.9759, 30.2747, 68.1226

Background



This preview shows how black text looks on a background with the XYZ color 50.9759, 30.2747, 68.1226.



This preview shows how white text looks on a background with the XYZ color 50.9759, 30.2747,

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

50.9759, 30.2747, 68.1226

Protanopia

33.9224, 30.6613, 98.7381

Deuteranopia

31.3681, 30.5903, 63.2827



Tritanopia

41.4474, 30.0476, 22.6840

Trichromacy



Original Color

50.9759, 30.2747, 68.1226



Protanomaly

36.2869, 27.9480, 86.7011



Deuteranomaly

35.7998, 28.3779, 64.5634



Tritanomaly

44.1948, 29.7313, 35.3077

Monochromacy



Original Color

50.9759, 30.2747, 68.1226



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

33.9546, 27.8992, 43.1306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9759, 30.2747, 68.1226 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, 90, 216)` looks like.

```
.text, #text, p{  
    color:rgb(237, 90, 216)  
}
```

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, 90, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 90, 216) }
```

Border

The CSS property to change the border of an element to XYZ 50.9759, 30.2747, 68.1226 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, 90, 216) }
```


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

```
.border{ border-color:rgb(237, 90, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 90, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 90, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 90, 216);  
box-shadow:4px 4px 4px 4px rgb(237, 90,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9759, 30.2747, 68.1226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 90, 216) }
```

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

```
.background{ background-color: rgb(237, 90,  
216) }
```

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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