

Converting Colors

XYZ(49.8691, 26.8848, 76.8067)

Have a look what the booklet for
XYZ(49.8691, 26.8848, 76.8067)
contains.

XYZ(49.9648, 26.9302, 76.6933)	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(49.9648, 26.9302,
76.6933)**

Conversions

Conversions Part 1

Format	Color
Hex	EA41E5
RGB	234, 65, 229
RGB Percent	92%, 25%, 90%
CMY	0.0823, 0.7451, 0.1020
CMYK	0.00, 0.72, 0.02, 0.08
HSL	302°, 80%, 59%
HSV	302°, 72%, 92%
XYZ	49.9648, 26.9302, 76.6933
YIQ	134.2270, 48.0800, 86.8320

Conversions

Conversions Part 2

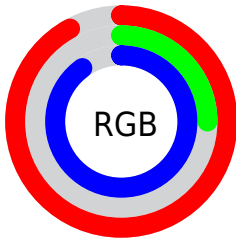
Format	Color
R_{YB}	234, 65, 229
Decimal	15352293
CIE _{Lab}	58.91, 80.65, -48.79
CIE _{LCh}	59, 94.259, 328.824
Yxy	26.9302, 0.3253, 0.1753
Android (android.graphics.Color)	4293542373 (0xFFEA41E5)
YUV	134.2270, 46.7231, 87.5009
Hunter-Lab	51.8943, 81.0480, -51.2972

Details

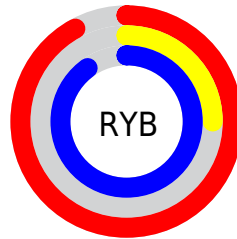
The XYZ color **49.9648, 26.9302, 76.6933** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **32.7096, 60.4128, 15.7329**, and the grayscale version is **22.5664, 23.7416, 25.8546**.

A 20% lighter version of the original color is **67.0092, 43.9183, 99.5531**, and **24.9984, 12.0158, 40.5369** is the 20% darker color. If you saturate the color by 10%, you get **48.7926, 24.7395, 75.8267**, and if you desaturate by 10%, it is **51.6953, 30.2354, 77.7483**.

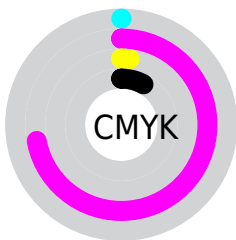
Distribution



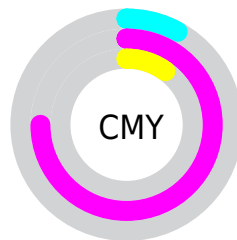
- Red (92%)
- Green (25%)
- Blue (90%)



- Red (92%)
- Yellow (25%)
- Blue (90%)



- Cyan (0%)
- Magenta (72%)
- Yellow (2%)
- Black (8%)





- Cyan (8%)
- Magenta (75%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9648, 26.9302, 76.6933 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 49.9648, 26.9302, 76.6933 by changing the saturation by 10% instead.


 49.9648, 26.9302,
76.6933


 49.9648, 26.9302,
76.6933

376.9825,
287.3190, 503.1276


 35.6031, 17.5208,
56.4911


 89.3149, 54.7718,
130.4755

 24.2965, 10.6065,
40.1902


 115.0339, 73.9729,
164.8926


 15.6796, 5.8029,
27.3720


 145.2695, 97.2066,
204.8851

 9.3872, 2.7256,
17.6179

 180.3870,
124.8574, 250.8716

 5.0537, 0.9902,
10.5094

 220.7516,
157.3096, 303.2705

 2.3139, 0.0000,
5.6280

266.7289,

 0.8018, 0.0000,

194.9477, 362.5005

2.5551

318.6841,
238.1560, 428.9800

■ 0.0000, 0.0000,
0.8692

■ 0.0000, 0.0000,
0.0000

■ 49.9648, 26.9302,
76.6933

■ 49.9648, 26.9302,
76.6933

■ 48.7926, 24.7395,
75.8267

■ 51.6953, 30.2354,
77.7483


■ 48.1021, 23.5122,
75.1223

■ 54.0424, 34.7738,
79.0106


■ 47.8078, 23.0429,
74.6565

■ 57.0601, 40.6530,
80.4983


■ 60.7961, 47.9680,
82.2274

 65.2934, 56.8051,
84.2121

 70.5918, 67.2437,
86.4658

 76.7283, 79.3580,
89.0008

 83.7376, 93.2171,
91.8286

 84.7211, 95.0242,
92.6497

Harmonies

Analogous

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



37.9964, 26.9302, 129.1955



49.9648, 26.9302, 76.6933



55.1859, 26.9302, 30.6596

Triad

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



49.9648, 26.9302, 76.6933



26.0591, 26.9302, 0.5124



10.5517, 26.9302, 72.4427

Complementary

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



49.9648, 26.9302, 76.6933



32.7096, 60.4128, 15.7329

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.



9.0893, 26.9302, 28.0246



49.9648, 26.9302, 76.6933



16.2385, 26.9302, 1.3750

Square

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



49.9648, 26.9302, 76.6933



39.0427, 26.9302, 1.5535



10.8086, 26.9302, 7.0630



15.6573, 26.9302, 125.6871

Rectangle

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



49.9648, 26.9302, 76.6933



53.2166, 26.9302, 13.1026



10.8086, 26.9302, 7.0630



9.7014, 26.9302, 55.2984

Sweetspot

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



49.9658, 26.9315, 76.6938



79.4243, 69.1744, 102.3785



19.1140, 10.9449, 78.9480



16.6604, 14.1381, 21.7655



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.



49.9658, 26.9315, 76.6938



58.7989, 29.1604, 91.6907



41.0650, 23.3711, 29.8226



15.6944, 15.3056, 18.9422



26.8738, 12.9522, 41.9985



2.1163, 1.0195, 3.3300

Inverse Universe

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



49.9658, 26.9315, 76.6938



58.7989, 29.1604, 91.6907



37.2976, 62.2480, 39.8934



15.6944, 15.3056, 18.9422



26.8738, 12.9522, 41.9985



2.1163, 1.0195, 3.3300

Previews

White Background



This preview shows how the XYZ color 49.9648, 26.9302, 76.6933 looks on a white background.

Color Contrast Check

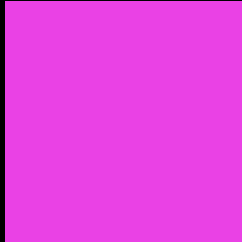
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.9648, 26.9302, 76.6933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

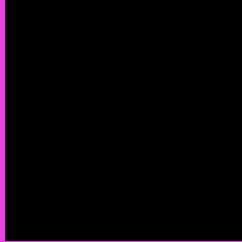
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.9648, 26.9302, 76.6933

Background



This preview shows how black text looks on a background with the XYZ color 49.9648, 26.9302, 76.6933.



This preview shows how white text looks on a background with the XYZ color 49.9648, 26.9302,

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

49.9648, 26.9302, 76.6933

Protanopia

30.7946, 27.2818, 98.2506

Deuteranopia

28.0231, 27.3590, 69.4495



Tritanopia

37.8510, 26.6676, 18.7752

Trichromacy



Original Color

49.9648, 26.9302, 76.6933



Protanomaly

32.9665, 23.5117, 89.9895



Deuteranomaly

32.0174, 23.9305, 71.3382



Tritanomaly

40.9366, 25.8476, 33.8418

Monochromacy



Original Color

49.9648, 26.9302, 76.6933



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

29.2076, 22.3479, 40.3103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9648, 26.9302, 76.6933 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(234, 65, 229)` looks like.

```
.text, #text, p{  
    color:rgb(234, 65, 229)  
}
```

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(234, 65, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 65, 229) }
```

Border

The CSS property to change the border of an element to XYZ 49.9648, 26.9302, 76.6933 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(234, 65, 229) }
```


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

```
.border{ border-color:rgb(234, 65, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 65, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 65, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 65, 229);  
box-shadow:4px 4px 4px 4px rgb(234, 65,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9648, 26.9302, 76.6933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 65, 229) }
```

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

```
.background{ background-color: rgb(234, 65,  
229) }
```

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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