

Converting Colors

XYZ(50.3323, 26.7653, 81.8727)

Have a look what the booklet for
XYZ(50.3323, 26.7653, 81.8727)
contains.

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Color

**XYZ(50.4672, 26.8250,
81.8747)**

Conversions

Conversions Part 1

Format	Color
Hex	E93EEC
RGB	233, 62, 236
RGB Percent	91%, 24%, 93%
CMY	0.0863, 0.7568, 0.0745
CMYK	0.01, 0.74, 0.00, 0.07
HSL	299°, 82%, 58%
HSV	299°, 74%, 93%
XYZ	50.4672, 26.8250, 81.8747
YIQ	132.9650, 46.0620, 90.3660

Conversions

Conversions Part 2

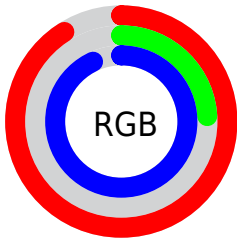
Format	Color
R _Y B	233, 62, 236
Decimal	15285996
CIE _{Lab}	58.81, 82.42, -52.88
CIE _{LCh}	59, 97.923, 327.313
Y _{xy}	26.8250, 0.3171, 0.1685
Android (android.graphics.Color)	4293476076 (0xFFE93EEC)
YUV	132.9650, 50.7963, 87.7307
Hunter-Lab	51.7929, 83.2937, -57.4713

Details

The XYZ color **50.4672, 26.8250, 81.8747** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **33.0458, 61.4631, 14.6805**, and the grayscale version is **22.0928, 23.2433, 25.3120**.

A 20% lighter version of the original color is **66.7509, 43.4017, 99.4670**, and **25.3703, 12.1389, 43.6537** is the 20% darker color. If you saturate the color by 10%, you get **49.3188, 24.7242, 81.5301**, and if you desaturate by 10%, it is **52.1747, 30.0418, 82.4060**.

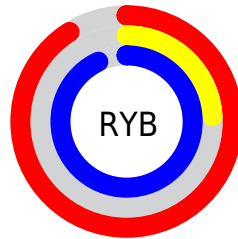
Distribution



Red (91%)

Green (24%)

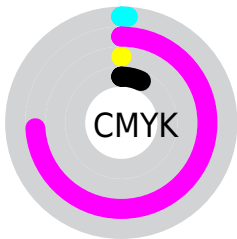
Blue (93%)



Red (91%)

Yellow (24%)

Blue (93%)

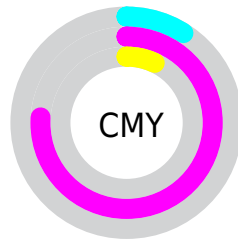


Cyan (1%)

Magenta (74%)

Yellow (0%)

Black (7%)



Cyan (9%)


Magenta (76%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4672, 26.8250, 81.8747 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 50.4672, 26.8250, 81.8747 by changing the saturation by 10% instead.


 50.4672, 26.8250,
81.8747


 50.4672, 26.8250,
81.8747


378.9120,
286.8088, 521.1009


 36.0041, 17.4418,
60.7270

 90.0544, 54.6029,
137.8334


 24.6075, 10.5500,
43.5758


 115.9092, 73.7665,
173.4815


 15.9120, 5.7651,
30.0024


 146.2919, 96.9589,
214.8002

 9.5524, 2.7028,
19.5884

 181.5679,
124.5647, 262.2079

 5.1632, 0.9786,
11.9151

 222.1026,
156.9682, 316.1234

 2.3791, 0.0000,
6.5640

268.2613,

 0.8347, 0.0000,

194.5538, 376.9650

3.1167

320.4093,
237.7058, 445.1513

■ 0.0000, 0.0000,
1.1545

■ 0.0000, 0.0000,
0.0000

■ 50.4672, 26.8250,
81.8747

■ 50.4672, 26.8250,
81.8747

■ 49.3188, 24.7242,
81.5301

■ 52.1747, 30.0418,
82.4060


■ 48.6483, 23.5797,
81.3445


■ 54.5023, 34.4991,
83.1436


■ 48.3973, 23.2007,
81.2846


■ 57.5063, 40.3088,
84.1067


■ 61.2360, 47.5695,
85.3116

 65.7360, 56.3704,
86.7731

 71.0475, 66.7936,
88.5051

 77.2085, 78.9156,
90.5201

 84.2549, 92.8078,
92.8302

 85.7128, 95.5226,
93.2774

Harmonies

Analogous

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



37.7083, 26.8250, 137.1460



50.4672, 26.8250, 81.8747



56.4478, 26.8250, 32.4388

Triad

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



50.4672, 26.8250, 81.8747



26.6009, 26.8250, 0.2506



9.9261, 26.8250, 71.5986

Complementary

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



50.4672, 26.8250, 81.8747



33.0458, 61.4631, 14.6805

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.



8.6208, 26.8250, 26.1989



50.4672, 26.8250, 81.8747



16.2546, 26.8250, 1.0070

Square

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



50.4672, 26.8250, 81.8747



40.2099, 26.8250, 1.3747



10.5181, 26.8250, 5.9989



14.8971, 26.8250, 128.5858

Rectangle

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



50.4672, 26.8250, 81.8747



54.7214, 26.8250, 13.5473



10.5181, 26.8250, 5.9989



9.1289, 26.8250, 53.8132

Sweetspot

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



50.4683, 26.8262, 81.8752



79.3356, 69.0979, 103.7635



19.1831, 11.1916, 80.5064



16.6391, 14.1197, 22.0984



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.



50.4683, 26.8262, 81.8752



58.3609, 28.7130, 97.0739



42.2153, 23.6391, 33.2620



15.6877, 15.2998, 19.0486



26.6895, 12.7949, 44.8059



2.1040, 1.0089, 3.5187

Inverse Universe

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



37.2697, 21.6609, 7.2188



42.0151, 22.3374, 3.6461



36.9562, 63.0050, 36.2814



15.0760, 15.0583, 15.6856



19.0849, 9.8366, 0.9824



1.5023, 0.7739, 0.0967

Previews

White Background



This preview shows how the XYZ color 50.4672, 26.8250, 81.8747 looks on a white background.

Color Contrast Check

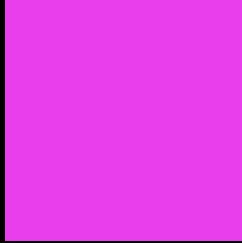
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.4672, 26.8250, 81.8747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

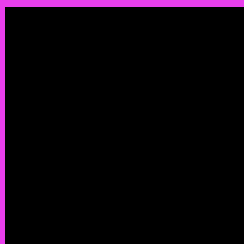
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 50.4672, 26.8250, 81.8747

Background



This preview shows how black text looks on a background with the XYZ color 50.4672, 26.8250, 81.8747.



This preview shows how white text looks on a background with the XYZ color 50.4672, 26.8250,

81.8747.

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

50.4672, 26.8250, 81.8747

Protanopia

30.7058, 27.2360, 98.2464

Deuteranopia

27.9514, 27.2146, 74.3008



Tritanopia

37.4047, 26.5830, 19.0792

Trichromacy



Original Color

50.4672, 26.8250, 81.8747



Protanomaly

33.0004, 23.3324, 91.5712



Deuteranomaly

31.7628, 23.5227, 76.2650



Tritanomaly

40.5682, 25.6282, 35.1563

Monochromacy



Original Color

50.4672, 26.8250, 81.8747



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

28.8756, 21.8527, 40.7263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4672, 26.8250, 81.8747 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(233, 62, 236)` looks like.

```
.text, #text, p{  
    color:rgb(233, 62, 236)  
}
```

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(233, 62, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 62, 236) }
```

Border

The CSS property to change the border of an element to XYZ 50.4672, 26.8250, 81.8747 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(233, 62, 236) }
```


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

```
.border{ border-color:rgb(233, 62, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 62, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 62, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 62, 236);  
box-shadow:4px 4px 4px 4px rgb(233, 62,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4672, 26.8250, 81.8747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 62, 236) }
```

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

```
.background{ background-color: rgb(233, 62,  
236) }
```

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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