

Converting Colors

XYZ(46.1248, 27.0081, 62.1834)

Have a look what the booklet for
XYZ(46.1248, 27.0081, 62.1834)
contains.

XYZ(46.1570, 27.0715, 62.4671)	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(46.1570, 27.0715,
62.4671)**

Conversions

Conversions Part 1

Format	Color
Hex	E353D0
RGB	227, 83, 208
RGB Percent	89%, 33%, 82%
CMY	0.1098, 0.6745, 0.1843
CMYK	0.00, 0.63, 0.08, 0.11
HSL	308°, 72%, 61%
HSV	308°, 63%, 89%
XYZ	46.1570, 27.0715, 62.4671
YIQ	140.3060, 45.6990, 69.4030

Conversions

Conversions Part 2

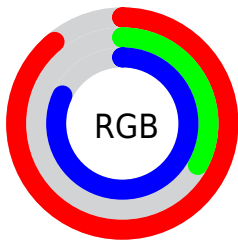
Format	Color
R _Y B	227, 83, 208
Decimal	14898128
CIE Lab	59.04, 69.56, -36.81
CIE LCh	59, 78.697, 332.116
Yxy	27.0715, 0.3402, 0.1995
Android (android.graphics.Color)	4293088208 (0xFFE353D0)
YUV	140.3060, 33.3731, 76.0306
Hunter-Lab	52.0303, 67.2976, -34.7619

Details

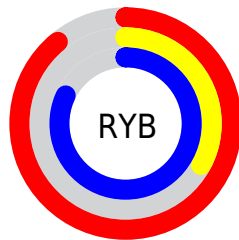
The XYZ color **46.1570, 27.0715, 62.4671** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **33.4360, 57.7376, 21.9546**, and the grayscale version is **24.9093, 26.2065, 28.5389**.

A 20% lighter version of the original color is **68.8149, 47.5298, 100.1550**, and **21.9199, 10.6682, 31.0408** is the 20% darker color. If you saturate the color by 10%, you get **44.3310, 24.0031, 60.0574**, and if you desaturate by 10%, it is **48.5602, 31.2819, 65.1039**.

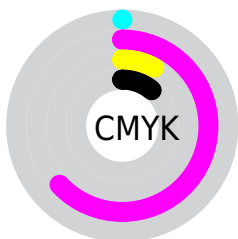
Distribution



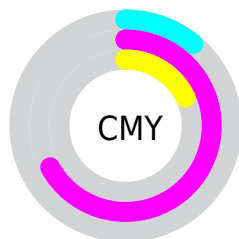
- Red (89%)
- Green (33%)
- Blue (82%)



- Red (89%)
- Yellow (33%)
- Blue (82%)



- Cyan (0%)
- Magenta (63%)
- Yellow (8%)
- Black (11%)





- Cyan (11%)
- Magenta (67%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1570, 27.0715, 62.4671 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 46.1570, 27.0715, 62.4671 by changing the saturation by 10% instead.

 46.1570, 27.0715,
62.4671


 46.1570, 27.0715,
62.4671

362.1448,
288.0031, 451.6875


 32.5749, 17.6269,
44.9720


 83.6803, 54.9986,
109.9785


 21.9586, 10.6825,
31.0926


 108.3523, 74.2499,
140.8318

 13.9429, 5.8538,
20.4103


 137.4515, 97.5389,
176.9750

 8.1624, 2.7564,
12.5066

 171.3434,
125.2500, 218.8266

 4.2517, 1.0059,
6.9630

210.3933,
157.7675, 266.8051

 1.8455, 0.0000,
3.3609

254.9667,

 0.5449, 0.0000,

195.4760, 321.3290

1.2817

305.4287,
238.7597, 382.8170

■ 0.0000, 0.0000,
0.0467

■ 0.0000, 0.0000,
0.0000

■ 46.1570, 27.0715,
62.4671

■ 46.1570, 27.0715,
62.4671

■ 44.3310, 24.0031,
60.0574

■ 48.5602, 31.2819,
65.1039

■ 43.0213, 21.9570,
57.8539


■ 51.5878, 36.7305,
67.9832


■ 42.1589, 20.7943,
55.8333


■ 55.2855, 43.5080,
71.1206


■ 41.7624, 20.3645,
54.5814


■ 59.6937, 51.6953,
74.5296

 64.8498, 61.3669,
78.2231

 70.7884, 72.5921,
82.2126

 77.5421, 85.4359,
86.5093

 81.9992, 93.6752,
90.0761

 82.4284, 93.8469,
92.3359

Harmonies

Analogous

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



37.0623, 27.0715, 102.5337



46.1570, 27.0715, 62.4671



49.4320, 27.0715, 27.5350

Triad

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



46.1570, 27.0715, 62.4671



25.0436, 27.0715, 1.7777



12.8764, 27.0715, 68.3146

Complementary

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



46.1570, 27.0715, 62.4671



33.4360, 57.7376, 21.9546

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.



11.1558, 27.0715, 31.5067



46.1570, 27.0715, 62.4671



16.9819, 27.0715, 3.3590

Square

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



46.1570, 27.0715, 62.4671



35.5518, 27.0715, 2.9136



12.4443, 27.0715, 10.7980



17.9085, 27.0715, 107.1599

Rectangle

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



46.1570, 27.0715, 62.4671



47.3465, 27.0715, 13.5097



12.4443, 27.0715, 10.7980



11.9585, 27.0715, 54.7170

Sweetspot

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



46.1579, 27.0728, 62.4676



80.4816, 72.4829, 99.0501



22.1932, 14.4320, 74.2898



16.8259, 14.7646, 20.9095



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.



46.1579, 27.0728, 62.4676



57.1221, 30.2999, 77.2797



39.3750, 24.3596, 26.7492



14.9090, 14.5808, 17.7211



24.3869, 11.8890, 31.9961



1.8250, 0.8877, 2.4848

Inverse Universe

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



46.1579, 27.0728, 62.4676



57.1221, 30.2999, 77.2797



38.4648, 59.7491, 48.4363



14.9090, 14.5808, 17.7211



24.3869, 11.8890, 31.9961



1.8250, 0.8877, 2.4848

Previews

White Background



This preview shows how the XYZ color 46.1570, 27.0715, 62.4671 looks on a white background.

Color Contrast Check

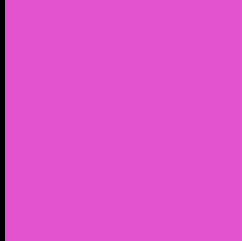
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.1570, 27.0715, 62.4671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

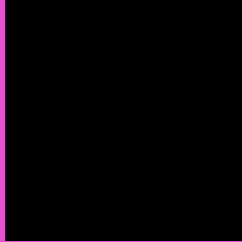
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.1570, 27.0715, 62.4671

Background



This preview shows how black text looks on a background with the XYZ color 46.1570, 27.0715, 62.4671.



This preview shows how white text looks on a background with the XYZ color 46.1570, 27.0715,

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

46.1570, 27.0715, 62.4671

Protanopia

31.2131, 27.7115, 98.3115

Deuteranopia

28.0021, 27.3842, 57.8426



Tritanopia

37.2363, 26.9499, 19.7623

Trichromacy



Original Color

46.1570, 27.0715, 62.4671



Protanomaly

32.5107, 24.7700, 83.9565



Deuteranomaly

32.0751, 25.2743, 59.0650



Tritanomaly

39.8008, 26.6564, 31.4812

Monochromacy



Original Color

46.1570, 27.0715, 62.4671



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

30.4016, 24.6809, 38.7589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1570, 27.0715, 62.4671 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(227, 83, 208)` looks like.

```
.text, #text, p{  
    color:rgb(227, 83, 208)  
}
```

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(227, 83, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 83, 208) }
```

Border

The CSS property to change the border of an element to XYZ 46.1570, 27.0715, 62.4671 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(227, 83, 208) }
```


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

```
.border{ border-color:rgb(227, 83, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 83, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 83, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 83, 208);  
box-shadow:4px 4px 4px 4px rgb(227, 83,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1570, 27.0715, 62.4671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 83, 208) }
```

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

```
.background{ background-color: rgb(227, 83,  
208) }
```

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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