

Converting Colors

XYZ(46.1867, 23.9124, 69.3136)

Have a look what the booklet for
XYZ(46.1867, 23.9124, 69.3136)
contains.

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Color

**XYZ(46.1562, 23.8864,
69.1957)**

Conversions

Conversions Part 1

Format	Color
Hex	E530DB
RGB	229, 48, 219
RGB Percent	90%, 19%, 86%
CMY	0.1020, 0.8117, 0.1412
CMYK	0.00, 0.79, 0.04, 0.10
HSL	303°, 78%, 54%
HSV	303°, 79%, 90%
XYZ	46.1562, 23.8864, 69.1957
YIQ	121.6130, 52.9850, 91.5530

Conversions

Conversions Part 2

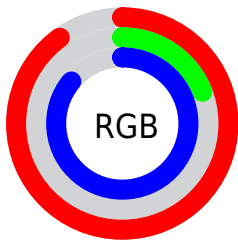
Format	Color
R _Y B	229, 48, 219
Decimal	15020251
CIE Lab	55.97, 82.78, -47.86
CIE LCh	56, 95.614, 329.965
Yxy	23.8864, 0.3315, 0.1716
Android (android.graphics.Color)	4293210331 (0xFFE530DB)
YUV	121.6130, 48.0118, 94.1784
Hunter-Lab	48.8737, 83.0459, -49.7315

Details

The XYZ color **46.1562, 23.8864, 69.1957** 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 **30.0031, 56.9735, 13.4203**, and the grayscale version is **18.2116, 19.1600, 20.8652**.

A 20% lighter version of the original color is **65.5354, 40.9708, 99.0618**, and **22.9730, 11.0794, 35.5780** is the 20% darker color. If you saturate the color by 10%, you get **45.2837, 22.4063, 68.0862**, and if you desaturate by 10%, it is **47.5146, 26.3348, 70.4737**.

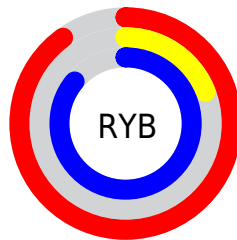
Distribution



Red (90%)

Green (19%)

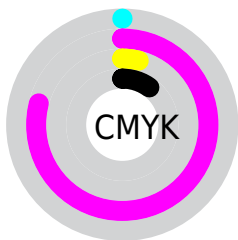
Blue (86%)



Red (90%)

Yellow (19%)

Blue (86%)

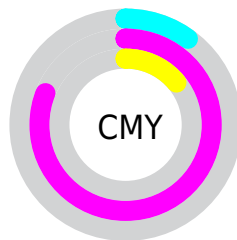


Cyan (0%)

Magenta (79%)

Yellow (4%)

Black (10%)



Cyan (10%)


Magenta (81%)


Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1562, 23.8864, 69.1957 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 46.1562, 23.8864, 69.1957 by changing the saturation by 10% instead.


 46.1562, 23.8864,
69.1957


 46.1562, 23.8864,
69.1957

362.1417,
272.2457, 476.4335

 32.5742, 15.2494,
50.3984


 83.6791, 49.8448,
119.7314


 21.9582, 8.9946,
35.3566


 108.3509, 67.9349,
152.3068


 13.9426, 4.7377,
23.6520


 137.4499, 89.9448,
190.3120

 8.1622, 2.0942,
14.8658

 171.3415,
116.2590, 234.1655

 4.2516, 0.6613,
8.5797

 210.3912,
147.2617, 284.2859

 1.8454, 0.0000,
4.3750

254.9642,

 0.5448, 0.0000,

183.3375, 341.0916

1.8333

305.4259,
224.8707, 405.0013

■ 0.0000, 0.0000,
0.4498

■ 0.0000, 0.0000,
0.0000

■ 46.1562, 23.8864,
69.1957

■ 46.1562, 23.8864,
69.1957

■ 45.2837, 22.4063,
68.0862

■ 47.5146, 26.3348,
70.4737

■ 44.7930, 21.6884,
67.1101

■ 49.4215, 29.8790,
71.9407

■ 44.7531, 21.6341,
67.0187

■ 51.9331, 34.6304,
73.6155

■ 55.0979, 40.6863,
75.5143

■ 58.9595, 48.1337,
77.6517

■ 63.5577, 57.0524,
80.0409

■ 68.9294, 67.5159,
82.6943

■ 75.1089, 79.5930,
85.6233

■ 82.1285, 93.3482,
88.8387

Harmonies

Analogous

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



34.8848, 23.8864, 120.5914



46.1562, 23.8864, 69.1957



50.8292, 23.8864, 26.0449

Triad

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



46.1562, 23.8864, 69.1957



22.7161, 23.8864, 0.0624



8.9412, 23.8864, 69.0740

Complementary

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



46.1562, 23.8864, 69.1957



30.0031, 56.9735, 13.4203

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.



7.5167, 23.8864, 25.9716



46.1562, 23.8864, 69.1957



13.7498, 23.8864, 0.9560

Square

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



46.1562, 23.8864, 69.1957



34.9143, 23.8864, 0.9600



8.9480, 23.8864, 6.0303



13.7339, 23.8864, 120.4896

Rectangle

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



46.1562, 23.8864, 69.1957



48.7005, 23.8864, 10.4078



8.9480, 23.8864, 6.0303



8.1368, 23.8864, 52.4095

Sweetspot

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



46.1571, 23.8875, 69.1962



77.9976, 66.7587, 100.5535



16.8912, 8.6437, 74.9077



16.2586, 13.4441, 21.2935



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.



46.1571, 23.8875, 69.1962



57.3499, 27.9292, 86.0693



37.3638, 20.3702, 22.8910



14.9589, 14.6008, 17.9840



25.6024, 12.3752, 38.3969



1.9025, 0.9187, 2.8931

Inverse Universe

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



46.1571, 23.8875, 69.1962



57.3499, 27.9292, 86.0693



34.5493, 58.7920, 37.3600



14.9589, 14.6008, 17.9840



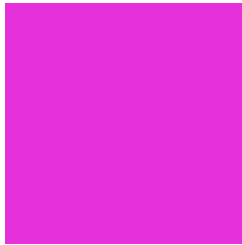
25.6024, 12.3752, 38.3969



1.9025, 0.9187, 2.8931

Previews

White Background



This preview shows how the XYZ color 46.1562, 23.8864, 69.1957 looks on a white background.

Color Contrast Check

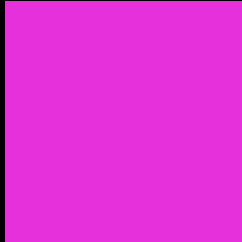
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.1562, 23.8864, 69.1957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

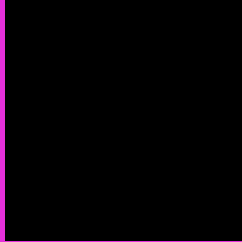
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.1562, 23.8864, 69.1957

Background



This preview shows how black text looks on a background with the XYZ color 46.1562, 23.8864, 69.1957.



This preview shows how white text looks on a background with the XYZ color 46.1562, 23.8864,

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

46.1562, 23.8864, 69.1957

Protanopia

28.2807, 24.5426, 97.8544

Deuteranopia

24.8246, 24.1519, 62.3849



Tritanopia

35.0564, 23.8757, 15.0727

Trichromacy



Original Color

46.1562, 23.8864, 69.1957



Protanomaly

28.9929, 20.0033, 86.3373



Deuteranomaly

28.4622, 20.5146, 64.0876



Tritanomaly

37.5772, 22.8345, 28.8125

Monochromacy



Original Color

46.1562, 23.8864, 69.1957



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

24.8760, 18.1958, 34.0993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1562, 23.8864, 69.1957 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(229, 48, 219)` looks like.

```
.text, #text, p{  
    color:rgb(229, 48, 219)  
}
```

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(229, 48, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 48, 219) }
```

Border

The CSS property to change the border of an element to XYZ 46.1562, 23.8864, 69.1957 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(229, 48, 219) }
```


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

```
.border{ border-color:rgb(229, 48, 219) }
```

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

Here you see how a box with a 4 pixel rgb(229, 48, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 48, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 48, 219);  
box-shadow:4px 4px 4px 4px rgb(229, 48,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1562, 23.8864, 69.1957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 48, 219) }
```

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

```
.background{ background-color: rgb(229, 48,  
219) }
```

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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